RCMA

NEWSLETTER

JULY 1981

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OF MONITOR RADIO LISTENERS

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RCMA NEWSLETTER

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FOR YOUR INFORMATION:

1. All club business, unless otherwise noted, must be addressed to R.C.M.A., P.O. Box 4563, Anaheim, CA 92803. This includes matters that relate to renewals, changes of address, newsletter delivery problems, etc.
2. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropriate, send input to RCMA, P.O. Box 216 Willow Grove, PA 19090, and mark the envelope 'For Newsletter.'
3. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA, P.O. Box 408, Earp, CA 92242.
4. Please include your RCMA membership number with all correspondence to newsletter editors or club headquarters.
5. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.
6. Please write on only one side of the paper.
7. Please don't combine in one letter several items that should go to different addresses.
8. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.
9. Your RCMA membership number and expiration date appear on your newsletter mailing label.
10. You may join or renew your membership for ONLY one year at a time.
11. The RCMA Newsletter accepts paid advertising. If you would like to place a paid ad, please write to the following address for our advertising guidelines: RCMA Newsletter, P.O. Box 4563, Anaheim, CA 92803.

RCMA NEWSLETTER

July 1981 Issue 65

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RCMA, P.O. Box 4563, Anaheim, CA 93803

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A New Scanner Article in the commercial press

John J. Goldman R.C.M.A. member NY 093 has published the best scanner article we have seen. It appeared on the front page of the Los Angeles Times Friday May 8, 1981. The article is well worth a trip to the library to see. Most libraries should have The Times in microfilm. While there you may check the April issue of "Changing Times" for another scanner article.

** Calendar **

Send notices of upcoming events for the Calandar section to John Clark, RCMA, P.O. Box 4563, Anaheim, CA 92803. Please send notices well in advance of the Newsletter deadline.

The R.C.M.A. supports scanning and scanner clubs. If your local R.C.M.A. scanner group is having a meeting, or if you are another radio club planning a meeting, send an announcement to the Calendar Editor and it will be sent to all members of R.C.M.A. Because of individual member requests and previous problems, the Board does not feel that sectional mailing lists should be distributed.

Greater L.A. Area R.C.M.A.

Meeting Friday June 19, 1981 8:00PM at Mercury Savings and Loan, Valley View and Lincoln Avenue, Buena Park, Ca. The Satellite Earth Station with be the major topic of discussion. Capt James Matheson United Air Lines will speak and give a demonstration.

Board meetings are open to all members of R.C.M.A. They start at 7:30 PM. Now that we have separated labeling of the newsletter, the meetings will be devoted to R.C.M.A. policy and, of course, the latest scanner activities.

June 9 TUESDAY Board Meeting at Anaheim Branch Library, 1349 S. Euclid.

R.C.M.A. Working Sessions have been scheduled for the first Tuesday evening of each month. Any member of R.C.M.A. or visitor is welcome to attend and/or assist in the suffeling of papers and attempts to ascertain what went wrong with member X's subscription.

July 7	TUESDAY	7:30pm	Anaheim Branch Library,	1349 S. Euclid
Aug 4	TUESDAY	7:30pm	Anaheim Branch Library,	1349 S. Euclid
Sept 1	TUESDAY	7:30pm	Anaheim Branch Library,	1349 S. Euclid
Oct 6	TUESDAY	7:30pm	Anaheim Branch Library,	1349 S. Euclid
Nov 3	TUESDAY	7:30pm	Anaheim Branch Library,	1349 S. Euclid
Dec 1	TUESDAY	7:30pm	Anaheim Branch Library,	1349 S. Euclid

NEED BACK ISSUES?

Back issues are again available for sale to members in the lots indicated below. Please note that the RCMA Newsletter is a club newsletter. Because it reflects the growth of RCMA, early issues do not contain as many articles as do the current ones. The Newsletter has evolved from a few mimeo pages to its present format under the leadership of three great editors---Don Jones, Iden Rogers, and Chuck Gysi---and the contributions of club members.

The reproduction of the articles is quite readable. To cut costs and allow the possibility of binding all the reprints in a notebook, the format of later newsletters has been changed from saddle stitch to edge binding. This has changed the page order presentation, but not the content of the articles or the frequency lists.

To order: Using the information given below, send your requests to R.C.M.A., Bill Ell, Secretary, 2831 Hermanos St., Pasadena, CA 91107. Be sure to include your name, address, RCMA membership number (it is on your label), and your check or money order payable to R.C.M.A.

Lots (Months/Year)	PRICES VALID UNTIL JANUARY 1982 No. of Issues	Price
Sept 75 – June/July 76 (No Oct or Nov published)	7	$ 2.00
Aug – Dec 76 (No Oct published)	4	$ 3.00
Jan – June 77	6	$ 4.00
July – Dec 77	6	$ 4.00
Jan – June 78	6	$ 5.00
July – Dec 78	6	$ 5.00
Jan – June 79	6	$ 6.00
July – Dec 79	6	$ 6.00

DELAWARE VALLEY CHAPTER MEETINGS

The Delaware Valley RCMA Chapter has been reorganized. Due to his move to New Jersey, Chuck Gysi has had to turn over the duties of managing the Greater Philadelphia chapter to other area members. At the chapter's meeting on April 25, Gerald Shoaf agreed to handle meeting room arrangements and John Hart agreed to arrange tours for the chapter. The chapter previously mailed out letters to the more than 100 members in southeast Pennsylvania, South Jersey and northern Delaware for meeting notifications. However, because it now costs more than $25 for each mailing in printing and postage costs, all meeting notices for the chapter will appear here in the newsletter. The chapter hopes to organize tours with general meetings each month. Tentatively, general meetings are scheduled for the third Saturday of the following months at 2 p.m.: May, June, August, October and December. The meetings are held in the Music Room at the Northeast Regional Branch of the Free Library of Philadelphia at Cottman Avenue and Oakland Street in the Northeast section of Philly. The location is about three-quarters of a mile north of the Roosevelt Boulevard on Cottman Avenue. The Boulevard is Route 1 and Cottman Avenue is Route 73.

Reports of Meetings and Officers

Send reports (informal accounts) of RCMA meetings, gatherings, etc. which have occured to: John Clark, RCMA, P.O. Box 4563, Anaheim, CA 92803.

Please note the change in the dues structure which were mentioned in the January, forward newsletters. To reiterate, the dues are:

The 50 United States	$12.00
Canada & Mexico	$13.50
Europe	$14.00
South Pacific & Asia	$15.00

(These additional fees reflect part of the higher cost of mailing)

These prices are valid until July 1, 1981.

Note also the date on the top line of your newsletter label. That is the month in which your newsletter subscription will terminate. For the new members who enrolled using the rate structures found in older publications, your subscriptions have been prorated.

The last four issues have been mailed under a new procedure. The mailing date has been shifted to about five days after the Board Meetings. We used to be three to four weeks in advance of the newsletter's cover date; now, under even the worst conditions, we will be two weeks ahead of the date. You should receive your newsletter no later than the first week of the month on the cover.

RCMA/Chicago ***Newsletter 6*** April 1981

Edited by Michael Yanul (IL-014)

Dates to Remember:
RCMA/Chicago
Friday, May 8,1981, 7 PM, Illinois State Police District 3 Tour
Sunday, June 14,1981, 1 PM, Berkeley Meeting
Saturday, June 20,1981, 10:30 AM (Preferred) or 2 PM, DuComm Tour
RCMA/St.Louis
Saturday, June 6,1981, RCMA Midwest Spring Festival

Our Chapter has begun to reap the benefits of active membership participation. The record attendance (31 members & 4 guests) for the April meeting and involvement of members in arranging for guest speakers and tours, are the necessary ingredients to having a successful and interesting chapter.

A prime example of active participation this month is Ron Smithberg (IL-9). It was through his initial contacts, that we were able to have the Bearcat representative as guest speaker. Our thanks to Ron.

Bearcat Rep. Mike Scholl, made our meeting very interesting as well as informative. Considering the fact that arrangements for him to speak at our meeting were made on short notice and he already had a dental appointment on that day, we were lucky he came. With Mr. Scholl's good nature and willingness to answer so many questions, we should have shown him more of the respect and courtesy we accorded the Bellwood Chief of Police in February.

On behalf of our chapter, I wrote a letter of thanks to Mr. Scholl and I received a reply. Mike Scholl said he was happy to have an opportunity to meet our organization and he would consider returning sometime. Some of the ideas mentioned during our meeting, have already been forwarded to Electra for a special marketing meeting. If you did not get a chance to express some of your ideas to Mr. Scholl, write him a letter. Mike Scholl, CEMS Inc., 4700 W. Fullerton Ave., Chicago, IL. 60639.

April attendance: Ed Sirovy (IL-004), Ron Grzesik (IL-006), Ron Smithberg (IL-009), John Coker (IL-010), John Arendt (IL-012), Michael Yanul (IL-014), Bill Blomgren (IL-020), Rich Neva (IL-025), Dennis Biagioli (IL-026), Thomas Maulding (IL-030), Ray Prezell (IL-033), Rob Hupp (IL-036),Jerry Byron (IL-038), Joe Vinci (IL-059), James Cavanagh (IL-060), Jeff McKnight (IL-064) Pat Lynn (IL-079), Brandt Niemuth (IL-084), Harold Pinnow (IL-092), Randall Holtz (IL-110), George Chao (IL-115), Will Sperling (IL-116), Tom Norwick (IL-118), Martin Bourgeois (IL-125), Richard Hurak (IL-129),Martin Toomajian (IL-139),Robert Quinlan (IL-157), Martin Hirsch (IL-168), George Moe (WI-004) Tom Heiderer (WI-006), Robert Trivalos (WI-026).

Enclosed for those who attended the meeting, is the telephone chart Joe Vinci devised for emergency notification of cancellations and changes of meetings and tours. John Arendt, Ed Sirovy, Joe Vinci, and myself, will each phone three members. Each member will in turn call the person listed below their own name. Should you not reach your assigned person after several tries, then call the person beneath your assigned person in order not to break the chain. On your chart, you will find your name outlined in red, with your assigned member in blue. Those with blanks beneath your name, will have someone as members are added.

Joe Vinci had the forsight to see the problems arising from a sudden cancellation the day before a meeting or tour. The telephone chart is a simple and efficient way of notifying everyone without it being a lot of work for any one person. Joe worked very hard on the chart and would prefer to leave it as is, but if you want to make any changes, call Joe and work it out with him. Check your phone number on the chart for accuracy. If it is wrong or you change it, notify Joe Vinci and the person who is to call you. Additional information such as a work phone number should be given to your caller at your discretion. Chances are good that we will never have to use the chart, but if we do, we are dependant upon each member making his required call.

If you did not attend the April meeting but have attended past meetings, and would like to be included on the emergency notification chart, talk to Joe at the next meeting or call him at (312) 547- 7879.

On Friday, May 8,1981, we will tour the Illinois State Police District 3 in Chicago at Harlem and Irving Park Rd. It will be in the evening at 7 PM. At our next meeting (June 14th.) John Arendt will discuss various aspects of the Illinois State Police and what we saw at District 3. Also, for the same meeting, Martin Hirsch(IL-168) has arranged to have David Fuller, an engineer with Bell Labs, as guest speaker.He will discuss the new cellular mobile phone system.

Robert Trivalos (WI-026) has arranged a tour of DuComm on June 20,1981. DuComm is the radio communications center for Du Page County. Many towns in Du Page have both police and fire dispatched through DuComm. DuComm is located in Wheaton IL. at 136 County Farm Road. 10:30 AM is the preferred time, but a 2 PM tour time is also set for those who cannot make the early one. Everyone is to meet in the rear parking lot.Cameras are permitted as long as there are no close-ups. DuComm has the right to cancel the tour if an emergency situation arises.

A meeting questionnaire was sent out with the last RCMA/Chicago newsletter. Of the 38 sent, 22 of the questionnaires were returned. The results showed a strong support for the current format of the meetings and very positive comments about the Questions & Answers part of the meeting. However, there were three items that resulted with answers that should be considered in order to make the meetings even more to the liking of the membership. On question #3, "Should more time be devoted to discussing RCMA business"?, 16 said NO, 6 said yes. Question #8 asked if there should be more free time to move around and talk. 15 said yes, 5 said no and two were undecided.Question # 10 was, "Would you like more emphasis on technical topics?". 17 said yes, 5 no. Obviously, when meetings reach the size of our recent meetings, it becomes increasingly difficult to touch on everyone's interests. There have been complaints about past discussions bogging down. A more controlled meeting could result in more topics being covered, thus allowing a broader scope of ideas and comments. An effort should be made to keep club business and long discussions to a minimum. There should be a social break of about 30 minutes mid way through the meeting. 3 or 3;30 would be a good time to pause and let everyone visit each other. Also, on the questionnaire 11 members listed having Short Wave sets.
News Short: The Chicago Police Dept. will soon ad a new 25th District within Zone 12, around Central and North Avenues.

THOUGHT waves

Chuck Gysi, Managing Editor, P.O. Box 216, Willow Grove, PA 19090

You may have been wondering what happened to several columns in last month's newsletter. In fact several of the missing columns were my own contributions. To make a long story short, there was a mixup with the Postal Service, with which we must rely to deliver newsletter copy from the East Coast to the West Coast. The copy I prepared did not arrive in time to be used last month and so it appears this month. So much for USPS's Express mail!

Two months ago, I put out a general alarm for help with editing our newsletter. Although the newsletter has not hit the streets yet as of this writing (opening day for baseball), I have some tentative editors lined up, but still need help! If you think you can lend a hand, please drop me a line today. We can only get better with a little help from everyone.

The new 1981 Police Call directories have been out for a bit now. The new edition includes military base frequencies of actual installations. Gene Hughes (CA-LA-006), the editor, has done a fine job once again. RCMA is the only scanner club mentioned in this year's

volumes; we know which is the best! Stop by your local radio store or Radio Shack and pick up your copy. No scanner owner should be without it.

Scanners were the focus of an article in Changing Times magazine in April. The consumer market for the radios just keeps growing. RCMA also was mentioned in the article as a club for monitor enthusiasts. We welcome aboard any new members we may have gained from either the Changing Times or Police Call articles.

If you live in Central Pennsylvania, on May 1, Cumberland County police will start using plain English on their radios, rather than 10-codes. Many areas of the country have done this as well not only just to eliminate confusion with the meaning of some codes, but because scanner owners have copies of the codes anyway, sometimes supplied by radio sellers. In Philadelphia, for instance, both the police and fire departments use no codes.

If you are interested in surplus military radio gear, especially equipment for the 225-400 MHz military aircraft band, chances are Fair Radio Sales Co. has what you are looking for. Their catalog can be obtained by writing to: P.O. Box 1105, Lima, OH 45802.

If shortwave is what you are interested in, a company on the West Coast specializes in "customizing" SW receivers. You can either purchase a radio from them with modifications such as digital readout or ceramic filters or can send your present SW rig to them to be modified. Write for Radio West's catalog at: 3417 Purer Road, Escondido, CA 92025.

YOUR THOUGHTS

P.O. Box 216, Willow Grove, PA 19090

To the editor:

Several letters have appeared in recent columns concerning overcharging for certain goods and sales of "junk" gear to our members. I am glad that you bring these things to our attention. Some of us do not live in the city. Therefore, we rely on mail companies and out-of-state services.

Since some of you out there are just like me, please let me inform our members of some people and companies that I have had success with.

Capri Electronics in Canon, Georgia, has repaired my Bearcat 250, and sells unscramblers and "scan records" as well as many other items in kit or regular form. The manager, Larry Short, is extremely helpful. He answers all your questions and generally gives extra service rather than "just enough." I think this company is special.

Grove Enterprises has a catalog that will set your mind racing if you're into scanning or shortwave. I'm into both and that latest catalog has something I want on every page. This is another company that gives extra--a note on your order, or help with a frequency identification.

While I'm sure that there are rip-off artists and unscrupulous people in our hobby, I have had very good experiences with all dealings concerning RCMA members. I have found that to be a plus in my membership--that I could buy straight from them. Many members also just give help if you need it. I won't say names; they might be deluged with letters.

I especially want to commend the editor for the continued progress of the newsletter. It just gets better! I don't want to miss an issue. The shortwave column was icing on the cake for me, particularly the Info section. I am a new utility listener and it is very helpful.
Thanks for the opportunity to give credit to some fine people.

Ginny Slick (MD-012)
Williamsport, Maryland

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs, send a self-addressed, stamped business size envelope with your request to the address below. For an annual subscription to the monthly 'ANARC Newsletter,' send $5.00 to: ANARC, 557 N. Madison Ave., Pasadena, CA 91101.

June 25-28 Third annual Golden West DX Association Convention Chicago. For information SASE Mark Strickert, 2507 N Kimball, Chicago IL 60647 or call (312) 227-3669. Major activities include "Sticker Smorgasbord", many station tours/raids, adequate selection of cold beer and warm soda pop. The GWDXA specializes in the MW & FM bands.

The "ANARC/HAP Guide to DX listening" 1981 edition tentatively due to be published in May 1981 has be delayed. The 1981 edition is a complete revision of the 1980 edition and the expected date of release is July.

Please note the increase in subscription dues to $5.00 for the "ANARC Newsletter"

Aircraft

Major Ron Hammer, Editor

Send private, commercial, firefighting, and law enforcement aircraft frequencies of interest in the 108–136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft, plus questions, articles, and tips related to aircraft monitoring to: Major Ron Hammer, 821 Elisa Way, Roseville, CA 95678.

Many times I have heard that editors never get to do much fooling with their equipment, but spend all of their time writing columns and answering mail. I do not intend to completely fall victim to this ancient curse, so this column will be considerably shorter than my customary ramblings. Besides, I've been asked to quit writing so much, anyway.

My new radio-toy just arrived--too late for a complete report, unfortunately. I am the proud possessor of a genuine Western Electric AM-914/TRC Amplifier-Converter. Mine is marked Signal Corps, U. S. Army, and appears to be little-used. When I first heard of these UHF aircraft band (225-400 MHz A.M.) converters I raced immediately over to the library and obtained the October, 1980 issue of "CQ" magazine. Sure enough, starting on page 74 is Bob Grove's article on converting these converters. Xeroxing the three pages

of text and one page schematic was a simple enought matter. Then, lo and behold, I heard from George DuBois (OR-001) up in Portland that he also had an article forthcoming.

Taking George's advise, I immediately ordered my little device from Fair Radio Sales Co. (P. O. Box 1105, Lima, OH 45802). They are listed on page 4 of their latest WS-81 catalog for $34.95. Don't underestimate the shipping. Seventeen pounds doesn't come cheap via any mode of shipping. Casually scanning through the rest of their catalog (a couple hours with a magnifying glass) netted me the listing on page 12 of their T127J387 high voltage transformer that allegedly takes in 115 volt 60 Hz house current and spews forth 150 volt (500 microamp) and 6.3 volt (3 and 1 amp) A.C. that the 914 is suppose to consume--for only $5.95. Such a deal.

Aside from the fact that this little beauty weighs 11 Lbs (!) and is ugly as sin, it also came with no less than nine unmarked wires hanging out the bottom. Well nine of anything taken two at a time gives you 36 possible combinations of two-wire pairs. Rectifying the 150 VAC to D.C. is simple enough once I figure out which wires are primaries, secondaries and which were just put there to confuse the enemy! I invested in the Radio Shack (#20-176) ground plane antenna ($11.95) that Grove suggested. The instructions recommend trimming it for strictly UHF use--which I'll do as soon as I figure out that formula.

By the way--I am not ashamed to admit that I am not an electronic engineer. With 44 years of living and six or so years of college I probably know a couple things about the world that some of the electronics whizzes don't know. I am learning slowly. I find the Hayden Books "BASIC RADIO" series by Marvin Tepper to be comprehensible for a neophyte. I have committed Volume I to memory and now I can tell an electron from an Ohm when I see one. There are six volumes in the self-study course for about $5.65 each.

Anyway, about this time the May newsletter arrived with George DuBois' previously announced article on the 914. George's notes, while slightly different than Bob's, were just as informative. With both articles available you should be able to set up this little converter without burning your house down. While I was up on the roof adding yet another antenna to my "farm", what should go over but a finger-tip formation of F-111's from McClellan--on UHF, of course--just to tantalize me. (You ought to see the electronic packages (avionics) in one of those hummers. Wait 'till that stuff is surplus!!) You laugh, but the surplus catalogs are full of gear that was HIGHLY classified in the 40's and 50's. By the year 2000 you ought to be able to run up an antenna and jam everything in three states. What fun! (Just joking).

Once I get this thing hooked up and fed into my Bearcat 220 (which digests both FM and AM) what am I going to listen to? With apologies to Bob Grove for getting into his military area a little bit (remembering that it was his article on the AM-914 that got all this started) I am going to start with Mather AFB 296.0 Pilot-to-Dispath; 270.1 ATIS; 259.1, 372.8, 363.8, 340.9, 285.6, 284.0, and 253.5 Approach Control; 348.4 and 236.6 Tower, 275.8 Ground Control, 311.0 and 321.0 SAC Command Post; 351.2 "Darr Control"; 344.6 Metro (Weather) and, of course, 243.0 "Guard" for openers. Mather AFB is the U. S. all-services navigator training base,now operating the fat little twin-engine Boeing 737 types (T-43's). They fly over "Roseville" intersection near my home most every night. Mather also has a B-52/KC-135 wing and numerous other small flying functions.

My old stomping ground, McClellan AFB, offers 372.2 Pilot-to-Dispatch; 269.9 ATIS; 271.3, 381.2, 363.8, 353.7, 340.9, 320.1, 285.6, 284.0, and 253.5 Approach Control; 369.2 and 236.6 Tower, 225.4 Ground Control; 285.6 Departure Control, 377.8 Command Post ("Fosdick"); 383.9 Coast Guard Ops.; and 292.1 the "Airways" station; 225.4 Clearance Delivery and a couple other freqs common to Mather. Ol' McClellan is the prime depot for lots of exotic flying machinery (F-111, A-10, F-4, etc.) and sees just about everything that flys (including the Goodyear blimp).

Sacramento Metro airport has 256.7 UHF capability and Sac Executive has 257.8. Sacramento "Radio" is on 255.4 for the UHF-only equiped military aircraft. I will attach a 4/22/80 copy of Oakland Center's sectorization and frequency charts both high and low showing their plethora of UHF freqs--although you may need a microscope to read them. Of course Bill Blomgren's "Satellites" column has listed a number of UHF band satellite frequencies, too.

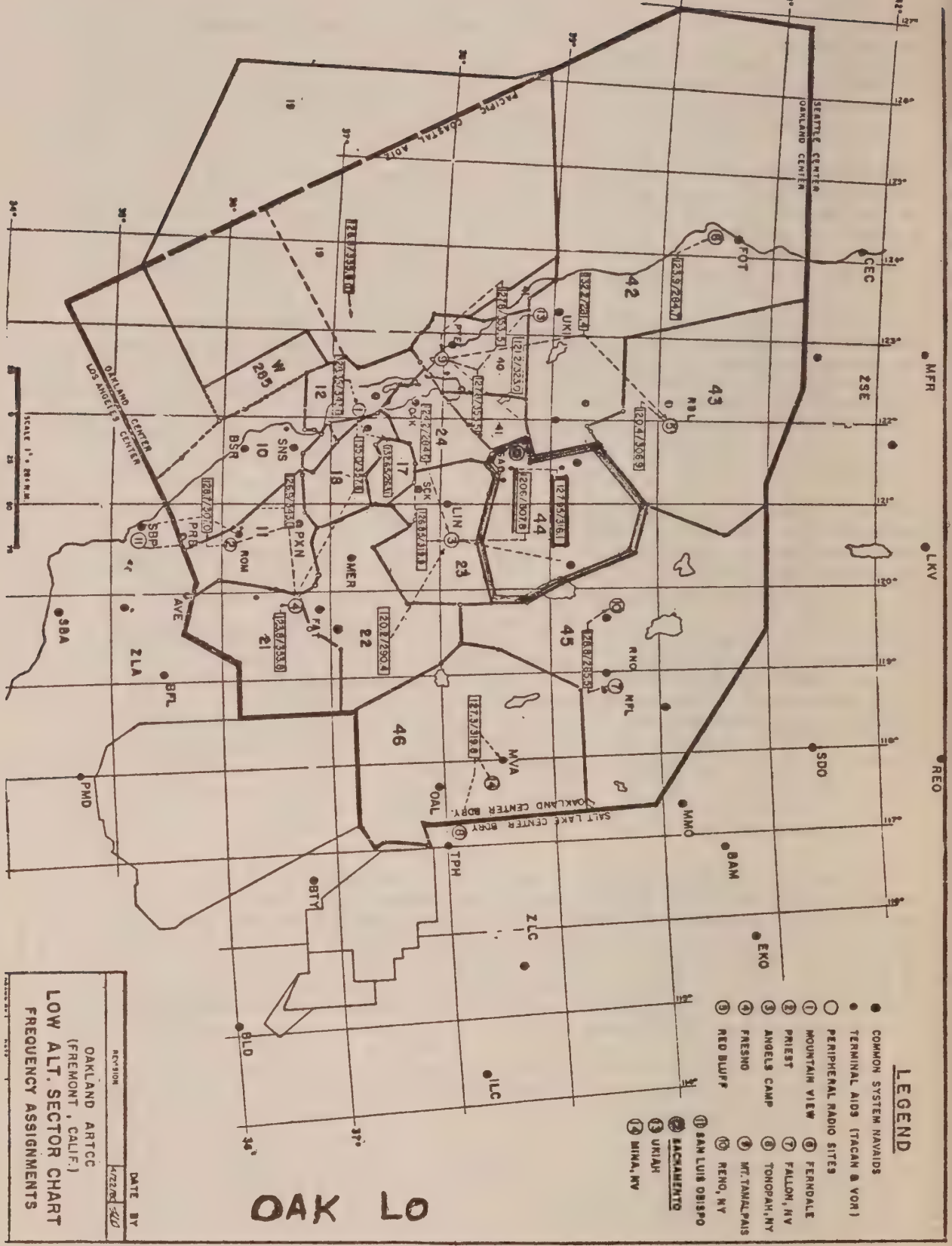
I realize that not too many readers live within UHF reception range of the above listed facilities, but it will give you an idea of some of the stuff that is readily available if you have some sort of UHF receiver. Of course, there is a whole lot more that is not published--the various "tactical" or operations frequencies which, while they are not usually classified secrets, are just not published in handy wallet-size form for all to listen to.

Hopefully the day will come when your normal desk-top Bearcat type scanner simply includes this UHF band (plus the irritatingly always-absent 136-144 band). The problem lies not in the engineering departments, but in the marketing departments (or more correctly--in the management). Until then we'll have to live with the likes of the 914. (My wife's comment was, "Oh, beautiful--where's that thing going!?") That was before she even saw the accompanying lump of a transformer. Anyway, hopefully, next column some actual, real-life results from this thing.

Some quick notes: try FORDHAM RADIO SUPPLY CO., INC., 855 Conklin Street, Farmingdale, NY 11735 for a great radio-electronics catalog (170 pages). Everyone who reads this aviation-radio column should have a copy of the 1981 AERO PUBLISHERS, INC. aviation-book catalog. Quote: The giant Aero Publishers plant in Southern California produces and sells more aerospace books than any other in the world, unquote. FREE from 329 West Aviation Road, Fallbrook, CA 92028 It has everything from "The Red Baron" to "Space Shuttle". Don't miss this one. Edward H. DuFour III (CT-005) of East Hartford askes does anyone have any freqs for the Johnson Space Center, Mission Control in Houston? I do not. Grove's converter article sez the shuttle might be on 296.8 and 259.7. Brandt I Niemuth (IL-084) sends some freqs that will have to wait for next month. I'll close with Larry Smith's list that he demands be run UNCUT! You type'em, I'll run'em, Larry. I could care less what previous editors did.

Did anyone hear anything direct on the shuttle launch/recovery? If you guys would write me some little tales of your activities I'd not fill up so much space with my meanderings. (Example: George DuBois' report on listening to Army ATC talk on low-band VHF Korea-to-Portland, OR.) I really do run out of things to say. If you get something besides Podunk Tower be sure and let us all know. We'd like to try for it, too. No one has sent me any poop on Spectrum Analyzers yet. Does anyone have anything on the forthcoming Bearcat 350? Do you enjoy this stuff at all or am I boring you to death?

The Chief Navigator for for the Military Airlift Command's 22nd Military Airlift Squadron (C-5A's) at Travis AFB was here at my house last week. He was not aware that with a modest outlay for radios and antennas that hobbyists like myself can monitor his C-5's from lift-off at Travis to coast-in to Japan. (By the way, the giant C-5 "Galaxy" does not take off. The earth falls away from it.) (Here's another one: A C-5 with it's gear down -- 28 ants carrying a loaf of bread.) I have more. No?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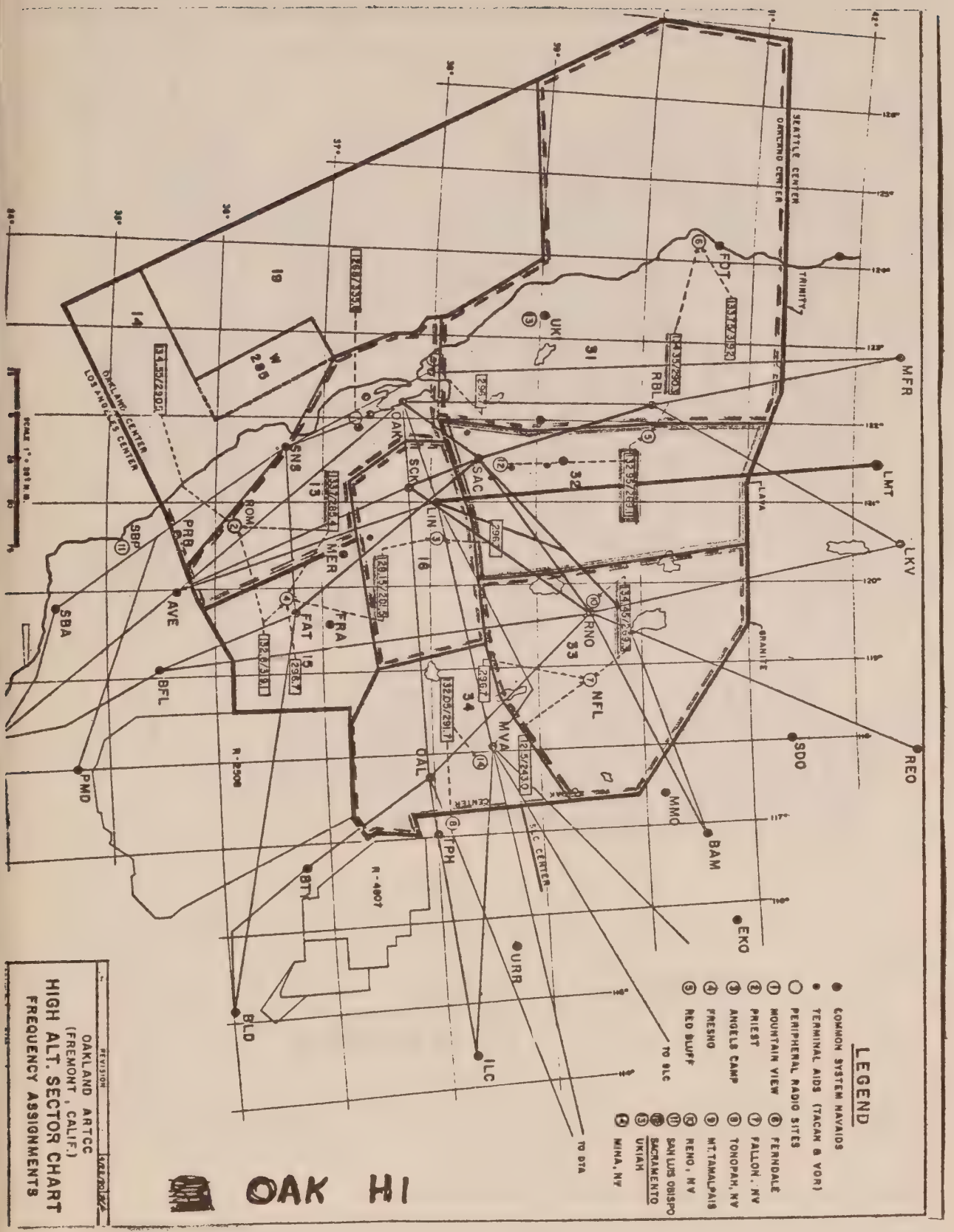
(FREMONT, CALIF.)
LOW ALT. SECTOR CHART
FREQUENCY ASSIGNMENTS
REVISION
DATE BY
LEGEND
COMMON SYSTEM NAVAIDS
TERMINAL AIDS (TACAN & VOR)
PERIPHERAL RADIO SITES
(1) MOUNTAIN VIEW
(2) PRIEST
(3) ANGELS CAMP
(4) FRESNO
(5) RED BLUFF
(6) FERNDALE
(7) FALLON, NV
(8) TONOPAH, NV
(9) MT. TAMALPAIS
(10) RENO, NV
(11) SAN LUIS OBISPO
(12) SACRAMENTO
(13) UKIAH
(14) MINA, NV
SEATTLE CENTER
OAKLAND CENTER
PACIFIC COASTAL ADIZ
OAKLAND LOS ANGELES CENTER CENTER
SALT LAKE CENTER BDRY.
OAKLAND CENTER BDRY.
MFR
LKV
REO
SEA
FOT
CEC
UKI
OAK
SFO
MRY
SNS
BSR
PXN
PRB
SBP
ROM
LIN
SCK
MER
FAT
SBA
AVE
BFL
ZLA
RNO
MFL
NVA
OAL
SDO
MMO
SAC
BAM
EKO
TPH
ZLC
PMD
BTY
BLD
ILC
42
43
44
45
46
41
40
W 285
SCALE 1° = 60 N.M.



OAKLAND ARTCC
(FREMONT, CALIF.)
HIGH ALT. SECTOR CHART
FREQUENCY ASSIGNMENTS

ALASKAN AIRLINE COMPANIES/FREQUENCIES

by LARRY (MI-001)

35.100	ERA HELICOPTERS, INC.	KKO-832	ANCHORAGE
35.120	ERA HELICOPTERS, INC.	KKO-832	ANCHORAGE
151.625	LIVINGSTON COPTERS, INC.	KM-3333	JUNEAU
151.715	NORTHERN AIR FREIGHT, INC.	KVT-604	ANCHORAGE
151.715	KENAI AIR ALASKA, INC.	WZP-852	KENAI
151.715	HAMLIN FLYING SERVICE, INC.	A26725	WYNNE
151.745	ALTAIR AVIATION OF ALASKA	KCS-759	JUNEAU
151.745	ANDY'S FLYING SERVICE, INC.	WXC-472	KENAI
151.805	HAROLD'S AIR SERVICE, INC.	KZU-734	NULATO
151.925	ALASKA HELICOPTERS, INC.	KT-3414	ANCHORAGE
152.300	NOME FLYING SERVICE	KSX-679	BREVIG MTN.
152.300	NOME FLYING SERVICE	KYW-775	COUNCIL CITY
152.300	NOME FLYING SERVICE	KSX-648	MOSES POINT
152.300	NOME FLYING SERVICE	KTS-710	NOME
152.300	NOME FLYING SERVICE	KSX-687	SHAKTOOLIK
152.300	NOME FLYING SERVICE	KWZ-573	SHISHMAREF
152.300	NOME FLYING SERVICE	KSX-678	TELLER
152.300	NOME FLYING SERVICE	WXI-446	WALES
152.300	NOME FLYING SERVICE	KBA-736	WHITE MTN.
152.420	GAY AIRLINES	KXL-652	DEADHORSE
154.540	ALASKA AIRLINES, INC.	KLM-261	ANCHORAGE
154.540	ALASKA AIRLINES, INC.	KUB-640	JUNEAU
154.540	ALASKA AIRLINES, INC.	KRV-389	KETICHIKAN
154.540	ALASKA AIRLINES, INC.	KZB-740	SITKA

MANY MEMBERS WILL PROBABLY NOTICE SOME OF THESE SERVICES IN BANDS COVERED BY OTHER SERVICES IN OTHER STATES. TALKING WITH OUR ALASKAN MEMBER ON THE PHONE AND BY MAIL, HE TELLS ME SINCE THE STATE IS SO WIDE OPEN MANY OF THE SERVICES THERE SEEM TO USE THE SAYING "ANYTHING GOES" THERE. EVEN IN THE USUAL RAILROAD BAND WE KNOW OF FINDING POLICE AND BUSINESS SERVICES THERE IS COMMON.

LARRY (MI-001)

Beginners ?????? Corner

Have a question? If you are a new scanner listener and don't understand something about monitoring that almost everyone else seems to understand, send in your question. When possible, your question and the answer will be printed. No answers will be sent by return mail. Your name will not be printed. Write to: David E. Crowley, 7234 Balson Ave., University City, MO 63130.

Q. What exactly is meant by a $\frac{1}{4}$ wave antenna?

A. In general, antennas work best when their physical dimensions are related, by simple ratios, to the wavelength of the frequency to be transmitted or received. For example, the wavelength at 162.550 MHz is determined, from the velocity of radio waves (speed of light) and from the frequency, to be 184.420 cm. Cutting this in half, we get the length

of a half-wave antenna of 92.21 cm. At a carrier frequency of 162.550 MHz, a unit of electrical charge travels from one end of this antenna to the other and back again in 6.15×10^{-9} seconds, a time equal exactly to the period of the carrier frequency, or(1/162.55MHz). In these circumstances, the $\frac{1}{2}$ wave antenna is said to be in resonance with the RF frequency. Now, it is also possible to to realize the properties of the $\frac{1}{2}$ wave antenna using an antenna only $\frac{1}{4}$ wave in length if one end of this shorter antenna is grounded. In this case, the ground reflects the pattern of electrical activity taking place in the $\frac{1}{4}$ wave antenna, providing,in effect, two round trips for the electrical charges in each period of the carrier frequency. A $\frac{1}{4}$ wave need not be connected to ground; the ground can be simulated by mounting radial elements $\frac{1}{4}$ wave length long at the base of a vertical element also $\frac{1}{4}$ wave length long, and voila!, we have a"quarter-wave ground plane"antenna. Recommended reading is the American Radio Relay League's ARRL Antenna Book, available in most electronic shops catering to radio amateurs.

Q. Are the 800 MHz frequencies available anywhere, or are they restricted to certain areas like the UHF 'T' band?

A. The only geographical limitations pertain to co- and adjacent channel interference and to the protection of wide-area 800 MHz repeaters on mountaintops in California. Incidentally, the base/mobile split is 45 MHz for trunked systems and 25 MHz for conventional systems.

Q. I have been monitoring a local business on 173.310 MHz. Is this an image?

A. An image is my best guess. If your scanner has an IF of 10.8 MHz, then the image frequency for 173.310 is 151.710 MHz, only 5 kHz below the business frequency at 151.715. Enter 173.3150 and 151.715; the sig- should be stronger than at 173.310 or 151.710 MHz. If you don't know the IF for your scanner, see page 4 of Police Call.

Q. Now, what about 161.160? Could this frequncy be assigned to a local agricultural business instead of to railroad use exclusively?

A. 161.160 MHz is restricted to railroads, yet there are many ways, in addition to image reception, in which strong local signals can turn up at the most unlikely frequencies on a programmable scanner. If you have an outdoor antenna, disconnect it, and see if the agricultural signal goes away, or is attenuated. Readers ,Other ideas?

Q. Are there two-radios on the market which can handle both high- and low-band VHF signals? For instance, channels 1-4 for low band, channels 5-8 for high band?

A. This is no problem for base stations and repeaters, some of which operate in cross-band mode, receiving high band and transmitting on low. In mobile and hand-held transceivers, however, separate high and low channel groups are unusual. However ,the use of VHF high-band extenders is common. In this system a high-band receiver is grafted to the lowband transceiver, so that VHF high band signals from a hand-held are repeated out from the mobile on its normal low-band frequency.

Comment: Great questions, all from one reader. Keep up the good work out there.

Business, Etc.

Chuck Gysi, Editor

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufacturers, news media (behind-the-scenes radio, TV, and newspaper), motion picture industry, security (private patrol, detective agencies, campus security and police, amusement park and stadium security, shapping center and mall security, plant/business/hotel security, etc.), General Mobile Radio Service (GMRS), Mobile Phone/RCC and paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private and municipal water, power, electric, gas, telephone, etc.), and all school and college related frequencies. Send information and questions pertaining to the radio services covered in this column to: Chuck Gysi, P.O. Box 216, Willow Grove, PA 19090.

The summer is just about here! Now is the time to send in some frequency tips to newsletter editors before the summer lag sets in. By the way, don't forget to send in those amusement park frequencies you discover this summer. This is the place for them.

News Media/Film

HOUSTON NEWS MEDIA

From Roger Chessher (TX-087):

161.670	KHOU-TV Ch. 11 engineering
161.700	KJRK-TV Ch. 13 reporters
450.0875	KPRC-TV Ch. 2 engineering
450.2875	KPRC-TV Ch. 2 reporters
450.5125	KHOU-TV Ch. 11 reporters
450.850	KJRK-TV Ch. 13 engineering
453.000	Houston Chronicle photographers
455.050	KILT radio traffic helicopter

SPOKANE NEWS MEDIA

From Al Birch (WA-013):

170.150	KXLY-TV and radio news
450.3875	KHQ-TV and radio/"Eye in the Sky" traffic copter
450.5125	KREM-TV and radio news
453.000	Spokane Chronicle and Review (KKQ 648)

Business

WASHINGTON AREA HOTELS

From Rick Prelinger (ex-CA-SF-002):

30.88	KUN246	CAPITAL HILTON HOTEL (DC)
31.24	KYO746	HOWARD JOHNSON'S MOTOR LODGE (DC)
35.06	KUJ401	LOEWS HOTELS, INC. (DC)
35.08	KUD478	WASHINGTON HOTEL (DC)
35.08	WRN605	FOUR SEASONS HOTEL (DC)
151.715	KFP831	HILTON HOTELS CORP. (DC)
151.745	KEF658	HAY-ADAMS HOTEL (DC)
151.775	KDJ502	MADISON HOTEL (DC)
151.775	KXY474	CAPITAL HILTON (DC)
151.805	KMH641	INTERNATIONAL INN (DC)
151.895	WSG554	HOLIDAY INN, THOMAS CIRCLE (DC)
151.955	KXA887	SHOREHAM AMERICANA (DC)
154.515	KXL909	WASHINGTON SHERATON (DC)
154.625	WXC381	FAIRFAX HOTEL (DC)
462.800	WXA452	EMBASSY ROW HOTEL (DC)
464.575	KQE398	SHERATON CARLTON HOTEL (DC)
464.575	KSB417	SHERATON PARK HOTEL (DC)

Business, Etc. continued

465.ØØØ	WRF2Ø8	EMBASSY SQUARE HOTEL (DC)
151.955	KA2Ø474	SHERATON MOTOR INN (DC)
154.6ØØ	KP9284	SHERATON PARK HOTEL (DC)
467.825	KE26Ø1	METROPOLITAN HOTEL (DC)
35.Ø8	KIB535	HOLIDAY INN (BETHESDA, MD)
151.685	KJU32Ø	HOLIDAY INN (BETHESDA, MD)
151.925	WSG346	MARRIOTT (BETHESDA, MD)
154.625	WYD839	HOLIDAY INN (GAITHERSBURG, MD)
465.ØØØ	KXN973	SHERATON MOTOR INN (NEW CARROLLTON, MD)
154.54Ø	KLI716	MT. VERNON MOTOR LODGE (ALEXANDRIA, VA)
464.825	KXE96Ø	RAMADA INN (ALEXANDRIA, VA)
35.Ø6	KXI5Ø9	MARRIOTT (ARLINGTON, VA)
35.Ø8	KDO651	QUALITY INN (ARLINGTON, VA)
151.835	WRO317	MARRIOTT CRYSTAL CITY (ARLINGTON, VA)
151.865	KWI287	STOUFFER'S (ARLINGTON, VA)
35.Ø8	KKN858	DULLES MARRIOTT HOTEL (CHANTILLY, VA)
154.54Ø	KVJ336	DULLES MARRIOTT HOTEL (CHANTILLY, VA)
154.54Ø	WYZ972	RAMADA INN (FALLS CHURCH, VA)
464.975	WZK6Ø6	SPRINGFIELD HILTON (SPRINGFIELD, VA)

SAN FRANCISCO AREA HOTELS

From Rick Prelinger (ex-CA-SF-002):

30.92	KXG482	Canterbury Hotel (S.F.)
35.92	KST462	Stanford Court Hotel (S.F.)
151.775	KEI273	Clift Hotel (S.F.)
151.805	KVE588	Hyatt Corp. (S.F.)
151.805	WXX655	Sheraton Palace Hotel (S.F.)
151.895	KUS860	Hyatt Corp. (S.F.)
151.955	KYP331	Holiday Inn of Union Square (S.F.)
154.625	KID622	Canterbury Hotel (S.F.)
154.625	KMH599	Beresford Hotel (S.F.)
462.775	KJP896	San Francisco Hilton
462.825	KQL458	Fairmont Hotel (S.F.)
464.025	WYF213	Stanford Court Hotel (S.F.)
464.425	KTF358	Sir Francis Drake Hotel (S.F.)
464.425	KYJ987	Ramada Inn/Fisherman's Wharf (S.F.)
464.875	KSP563	Holiday Inns (S.F.) also KSP565
464.975	KWU650	San Francisco Hilton
464.975	WZQ375	The Anchorage Inn (S.F.)
465.000	KXT759	Sheraton at Fisherman's Wharf (S.F.)
465.000	KXU762	Jack Tar (S.F.)
465.000	WYF213	Stanford Court Hotel
151.655	WXU295	Oakland Hilton Inn
465.000	KYM553	Leamington Hotel (Oakland)
154.515	KGY926	Hilton Hotels (S.F. Airport)

Motor Carrier

From AL BIRCH (WA-013): Spokane Transit System busses and dispatcher are on 453.525 - KXC 732.

Mobile Phone/RCC

WHAT'S AMPS ALL ABOUT?

The latest thing in mobile telephone service is called AMPS--Areawide Mobile Phone Service. If you live in the Chicago area and have noticed unusual coil gain dual antennas on car trunks, this indicates a user of this new 800-MHz cellular system.

The key to the system is the use of cells within the overall system to eliminate overcrowding on available channels and in general, to allow more users to hook up with mobile phone service--a very rare commodity in metropolitan areas. In New York City, for instance, only 12 regular mobile phone channels (hi-lo-UHF) are available for its 700 users.

But in Chicago, already more than 1,500 subscribers are utilizing the new AMPS system. In current systems nationwide, a given channel on low, high or the UHF band covers an entire metro area or region and once in use, cannot be used by other subscribers in the area. In the AMPS system, metro areas are broken down into cells within the overall coverage area. Thus, many conversations can take place at the same time.

The system basically works like this. While an AMPS user is utilizing the system, a computer is keeping track of where the mobile unit is through calculations. As the signal from the mobile begins to weaken, the computer searches for an antenna in an adjacent cell that is receiving a stronger signal. At a predetermined point, the computer switches the unit to the stronger cell.

Now, as traffic begins to overload a particular cell, the cell splits into smaller cells, each with its own transmitter. Every time a cell is divided in half, the number of available channels is quadruped, making more channels available for users.

Illinois Bell's experimental system in Chicago uses 10 cells covering 2,100 square miles. A system being developed in the Baltimore-Washington area by American Radio Telephone Service Inc. and Motorola will use 18 cells to cover the area. The cells range in size from 1 to 8 miles in radius.

AMPS systems have a capacity for serving as many as 200,000 to 300,000 users. Following FCC approval, Bell Telephone plans to have 35 AMPS systems operating in '70 metropolitan areas within five years. AMPS users pay a rental change of $45 a month for the mobile equipment, installation fees and $25 a month for two hours of air time. For additional time, 25 cents per minute is charged.

WANTED: A list of AMPS 800-MHz channels for Chicago metro area.

Utility

PART XV--LOS ANGELES CITY WATER AND POWER SYSTEM

Purple-Green System

(Editor's note: This is the last of 15 parts detailing the frequencies and system usage of the Los Angeles City Water and Power System. The series began in March 1980 in this column. The information is from a book titled "Radio Operations," published by the Power Operating and Maintenance Division of the Los Angeles City Department of Water and Power.)

The purple-green system is designed to provide communications along the DC Interie and the Victorville-McCullough transmission line. Mobile units and certain base stations transmit on the purple frequency (47.76 MHz). Their signals are received by receivers located throughout the system and the receiver with the strongest signal retransmits the signal, via microwave, to Los Angeles. Mobile units and base stations also may extend the range of their signals by activating certain mobile relay transmitters associated with the system. It is possible for the operator on duty at the Los Angeles radio telegraph office (RTO) to patch the received signal to a transmitter many miles away, thus extending the range even farther.

As an example, a mobile unit with purple frequency capability transmits in the Bishop area. The signal is received at Poleta Canyon and is retransmitted by the Poleta Canyon mobile relay transmitter using the green frequency (48.36 MHz). The signal also is sent to Los Angeles via microwave where it is monitored by the RTO and Los Angeles Patrol. If signalled by Patrol, the Los Angeles load dispatchers also will monitor. The unit transmitting may establish communications with any other mobile unit able to receive the signal transmitted by the Poleta Canyon green frequency transmitter, those Los Angeles stations monitoring the system, or base stations in the Bishop area that are guarding the green frequency.

The unit transmitting may establish communications with the RTO and request that his signal be patched, for example, to Eagle Ridge. After the patch has been made, the signal from the unit transmitting will be retransmitted on the Eagle Ridge transmitter. He then may communicate with any unit monitoring the purple-green system within the range of the Eagle Ridge transmitter. After communications are completed, the unit that requested the patch should request the RTO operator to clear the patch.

Base stations guarding the purple-green system are: Los Angeles Radio Telegraph Office; Communications Shop Office in Los Angeles; Los Angeles Patrol headquarters; Los Angeles load dispatcher headquarters (must be signaled by LA Patrol); Victorville switching station*--WYD 362; Transmission Design*--WYD 362; Power Plant No. 1*--WDA 382; Bishop Patrol*-- KLY 391; Bishop Communications Shop*--KLY 391; Cedarville Patrol*--KQL 598; Cedarville Communications shop*--KQL 598; and Boulder City Radio Telegraph Office*--KLI 423.

*These base stations access the system by transmitting on purple frequency. All others use microwave links to access transmitters associated with the system.

Mobile units receive all transmissions on the green frequency. The following is a list of those locations where green frequency transmitters and purple frequency receivers have been installed. An asterisk (*) indicates transmitters which retransmit received signals, thus functioning as mobile relay transmitters:

DC Interie--Los Angeles north to Adel Oregon: Burnt Peak - KLD 494, Randsburg Peak - KJZ 568, Cottonwood - KXU 627, Poleta* - KJZ 567, Aurora Peak - KJZ 565, Eagle Ridge* - KJZ 566, Empire - KJZ 564, and Vya* - KJZ 563.

Victorville-McCullough transmission line - Los Angeles east to Boulder City: Quartzite Mountain* - WYD 361, Lane Mountain - WDJ 202, and Lower Potosi Mountain* - KXB 433.

Stations guarding this system will hear data transmissions from various alarm systems incorporated into the purple-green system. These signals activate monitors at the Los Angeles RTO and should be disregarded by other stations.

Mobile units transmitting on the system are authorized by the FCC under call sign KJ 4048. The unit clearing the frequency, whether communicating with a base station or another mobile unit must transmit the call sign.

Operators at the Victorville switching station, Power Plant No. 1, Bishop, Cedarville and the Boulder City RTO, must transmit their assigned base station call sign after each series of transmissions.

Los Angeles offices accessing the system must transmit the FCC-assigned call sign of the particular transmitter in use.

Security

HOUSTON AREA MALLS SECURITY

From Roger Chessher (TX-087):

490.4625	Galleria Mall
490.2125	Greenway Plaza
464.375	Sharpstown Mall

School

BAY AREA SCHOOLS

From Rick Prelinger (ex-CA-SF-002):

35.96	KYN452	San Francisco State University
151.835	KIX271	University of San Francisco
151.865	WRI284	University of the Pacific (Dental School)
151.865	WRI845	San Francisco State University
154.515	KRD903	San Francisco Community College District

154.625	KVY541	University of California (San Francisco)
464.525	KAK549	University of California (San Francisco)
464.425	KT0851	University of California (Berkeley)
464.525	KUN756	University of California (Berkeley)
484.3125	KZD697	University of California (Berkeley)
35.06	KLT992	Peralta Community Colleges (Oakland)
151.805	KWT323	Mills College (Oakland)
461.650	KSW490	Berkeley Unified School District
464.275	KRW677	Peralta Community Colleges (Oakland)
154.540	KVV400	Sequoia Union H.S. District (San Carlos)

Freak Freqs

MAJOR LEAGUE BASEBALL FREQUENCIES

From Gary Bottgell (IL-073):

American League

151.625	KST 457	Milwaukee Brewers
151.805	KST 458	Milwaukee Brewers
154.515	KM 4935	Cleveland Indians
463.325	KYJ 715	Boston Red Sox
464.075	KA48692	Boston Red Sox
464.5375	KM 8822	Texas Rangers
467.825	KW 8078	Kansas City Royals

National League

154.570	KT 3730	Los Angeles Dodgers
154.570	KP 2841	Philadelphia Phillies (security/usherette supervisors)
462.175	KLK 916	Cincinnati Reds
462.575	KAC5313	Atlanta Braves
464.325	KTQ 615	Atlanta Braves
464.375	KVC 918	St. Louis Cardinals

(Additions, corrections and confirmations sought.)

From several members: The 103.5 frequency that was listed on a walkie-talkie at Opryland, USA near Nashville, Tenn., (April newsletter) probably is the PL tone--squelch code 1A (103.5 Hz).

NEXT MONTH: Low-power channels in New York City.

CANADA

Send Canadian frequency information, radio system details, other information relating to Canadian monitor radio listening, and questions to: Robert Berezowski, 5832 Dalhousie Drive NW, Calgary, Alberta T3A 1T1 Canada.

To start off I would like to thank all the people that have written to me. I'll try to write back to you as soon as possible. I received a nice letter from Philip (MI-056). Among his questions he has asked for some information on the Ontario Provincial Police. For Philip and all the other U.S. members who listen to the O.P.P, as well as the many Ontario members who listen to the O.P.P, I have compiled all the information I have on the O.P.P. Of course the information is not complete. I would greatly appreciate if any member having additional or contradictory information send it in. I will print it as soon as I get it.

The OPP provides rural policing for the province of Ontario through 184 detachments (6 summer detachments), 16 district HQ's

and the General HQ at 90 Harbour Street in Toronto. The district headquarters and their respective numbers are listed below:

District	#1 Chatham
	#2 London
	#3 Burlington
	#5 Downsview
	#6 Mount Forest
	#7 Barrie
	#8 Peterborough
	#9 Belleville
	#10 Perth
	#11 Long Sault
	#12 North Bay
	#13 Sudbury
	#14 Sault Ste. Marie
	#15 South Porcupine
	#16 Thunder Bay
	#17 Kenora

Please note that there is no district #4. Apparently this used to be Niagara Falls, but the information I have shows Niagara Falls district detachments are now being handled by the district HQ at Burlington (#3). The change appears to be recent and my source is official on that.

Below is an outline of the unit identification system the OPP uses.

First 1-2 Digits:	# - District number
	38 - Spare
	40 - Wagon
	42 - Van
	43 - Prisoner Van
	46 - Ramcharger 4WD
	50 - Motorcycle
	87 - Boat
Second Digit:	1 - Plymouth
	2 - Dodge
	3 - Ford
	5 - Chevy
	8 - Valient

Last 2 Digits are the unit number.

For example 9103 is a Plymouth from the 9th district. 46916 would be a Ramcharger four-wheel drive. I have a copy of an organizational chart showing the various divisions and branches that make up the OPP. I will supply a copy for a SASE.

As for frequencies of operation, they primarily use the VHF band around 42 MHz. The table below lists the major frequencies that have been reported:

41.960B(with 42.020) Districts 2,8 Bases
41.980 (simplex) Niagara Falls
42.000 (simplex) Aircraft patrols to ground units
42.020M(with 41.960) Districts 2,8 Mobiles
42.060B(with 42.220) Districts 1,3,5,6,7,9,10,11,12,13,14,15,16,17
42.220M(with 42.060) " " " " " "
42.660 (use unknown)
42.080 (use unknown)(oops, should have been above)

As you can see the primary channel is 42.060/42.220. Base to Base communications can be heard on 42.060/42.060 and 41.960/41.960. Car to car transmissions are also on 42.060/42.060 and 41.960/41.960. In some areas, such as Chatham, Peterborough, London and Windsor, VHF frequencies are in use. Frequencies in the 160 and 170 MHz range are being reported rebroadcasting transmissions on 42.220. These are probably used as links to remote transmitter sites. Because of the repeater function, reception range is greatly increased for the listener.

In the April 81 issue I reported on the new radio system for the OPP. As of this date I do not know any of the frequencies that will be used. I would guess that it would probably be in the VHF range somewhere. UHF frequencies do not have the range that VHF does. A UHF system could be set up, but many remote sites would have to be built, especially in the more isolated areas of the province. On the other hand, the VHF spectrum is very crowded, and the allocation of frequencies to the OPP would be a problem.

I hope that assists your monitoring of the OPP. As I said it would be greatly appreciated if additional information is received. Here is one last note before I move on to other topics: If you will refer to the November 1979 issue of RCMA, Rory (CAN-003) made a list of OPP stations and frequencies. This information is included in a general way above. One note he made is that the OPP in Toronto have an experimental licence for the 800 MHz band. Now I don't know for certain if the 800 MHz band is available for mobile communications in Canada as it is in the States, but it does make one wonder.

Quite a while ago I received a letter from Clifford(CAN-063). The letter unfortunately became slightly lost, and a recent safari hunt produced the letter. Clifford is interested in compiling a directory of Canadian frequencies. He would appreciate if members could send him information on police, fire, ambulance and just about anything else. His address is in the March 81 issue of RCMA.

I have received word from Guy (CAN-031) that a Central Dispatch frequency for Ambulances in Ontario is in use. The frequency of 149.605 seems to be the main frequency for all ambulances in the following area: west to Niagara Falls, east to Belleville, south to the St. Lawrence River and north to about Huntsville. I would appreciate it if members in the area monitor the frequency and let me know what turns up.

Still on the subject of ambulances, I have the following from Burt (CAN-011):

Kitchner Ambulance	Primary Dispatch	154.770R
	Inter-system	150.100S
Woodstock	Ch 1 Primary Dispatch	150.100S
	Ch 2	149.170S
	Ch 3 Paging	149.440S
London	City XMI-498	149.410S
	Inter-system XMI-791	150.100S
Tillsonburg	XNX-97	150.100S
St. Thomas	XMI-164	150.100S

Chris (CAN-061) sent a copy of Code 4. Inside was a brief description of the new dispatch center located at the new Downsview headquarters. It is(was by the time you see this) to be officially opened in April.

Also in the newsletter was a description of a new radio system for Northern Ontario to fill in dead spots. That will have to wait until next month however.

From Guy comes the last installment of his list of RCMP frequencies:

142.035 / 138.045	Burnaby,BC & Vancouver,BC
142.125 / 138.135	Coquitlam,BC
142.215 / 138.225	Vancouver North,BC
142.185 / 138.195	Richmond,BC
142.275 / 138.285	Vancouver North,BC
142.305 / 138.315	White Rock,BC
142.425 / 138.315	Surrey,BC
142.545 / 138.550	Burnaby,BC
142.755 / 138.765	Surrey,BC
142.785 / 138.795	Richmond,BC
142.815 / 138.825	Coquitlam,BC

142.935 / 138.495	Burnaby Mountain, BC
143.480	BC
413.0625 X	Vancouver, BC
413.2875	Vancouver, BC
414.2375 / 419.2375	BC
414.3125 / 419.3125	BC
414.3875 / 419.3875	BC
414.4875 / 419.4875	BC
414.5875 / 419.5875	BC
414.6375 / 419.6375	BC
414.6625 / 419.6625	BC
414.7125 / 419.7125	BC
414.7875 / 419.7875	BC
414.8375 / 419.8375	BC
414.8875 / 419.8875	BC
419.0125 / 414.0125	BC
419.1375 / 414.1375	BC
419.1625 / 414.1625	BC
413.0375	Dorval, PQ & Mirabel, PQ
413.2875	Dorval, PQ & Mirabel, PQ
410.1875 / 415.1875	Ottawa, Ont
410.3125 / 415.3125	Ottawa, Ont
413.0625	Ottawa, Ont & Sault Ste Marie, Ont
413.2875	Ottawa, Ont & Sault Ste Marie, Ont
410.0125 / 415.0125	Cornerbrook, Nfld & Louisbourg, NS
410.3125 / 415.3125	Nfld
410.6125 / 415.6125	Cornerbrook, Nfld
413.0625	Gander, Nfld & Halifax, NS
413.2875	Gander, Nfld & Halifax, NS
414.2375 / 419.2375	Teahill, PEI
414.3125 / 419.3125	Teahill, PEI
414.3625 / 419.3625	Alma, PEI
414.4375 / 419.4375	Teahill, PEI
413.0625	Calgary, Alta & Edmonton, Alta & Winnipeg, Man
413.2875	Calgary, Alta & Edmonton, Alta & Winnipeg, Man
414.2375 / 419.2375	Olds, Alta
414.5125 / 419.5125	Edmonton, Alta & Edson, Alta
414.6875 / 419.6875	Calgary, Alta
414.9375 / 419.9375	Regina, Sask & Winnipeg, Man & Brandon, Man & Saskatoon, Sask & Yorkton, Sask
414.9875 / 419.9875	Red Deer, Alta
415.0125 / 410.0125	Wynyard, Sask
419.1625 / 414.1625	Drumheller, Alta

CFB COMOX, BC	
(Radar) TML:	123.7 227.6 121.5 243.0
ARR:	128.1 134.1 227.6 289.4 335.9 342.9 378.5 384.5

TWR:	126.2 358.1 236.6
	121.5 243.0
DEP:	125.5 283.7
A/G: Base Ops	135.9 363.0
A/G: 407 & VU33 Sqns Ops	308.6
A/G: 409 Sqn Ops	316.5
PMSV (Wx):	344.6
VDF:	123.7 125.5 126.2
	134.1 121.5
RADAR:	125.5 128.1 134.1
	283.7 289.4 335.9
	342.9 378.5 384.5
	121.5 243.0

The above list for CFB Comox is also from Guy. I was in a rush to finish this so I hope there is not too many mistakes (same story, something coming over the scanner). Until next month, best wishes.

COMMUNICATIONS PROFILE

RCMA; P.O. Box 216, Willow Grove, PA 19090

This column is for special projects that explain various radio systems in detail. Frequencies and radio codes of not only municipal agencies and certain federal government agencies may be listed, but also large businesses and corporations. The contribution myst be lengthy enough that publishing it in one of the regular columns would not be possible due to length. If you are inclined to submit a report, please follow No. 8 in the inside front cover of the Newsletter.

CALIFORNIA FORESTRY CONSERVATION SYSTEM

By Gregory C. Currivan, Bay Area Scanner Club

The following information on the California Forestry Conservation system was conpiled by Gregory C. Currivan, a member of the Bay Area Scanner Club, and is reproduced here on an exchange basis with Bay Scan, the club's newsletter.

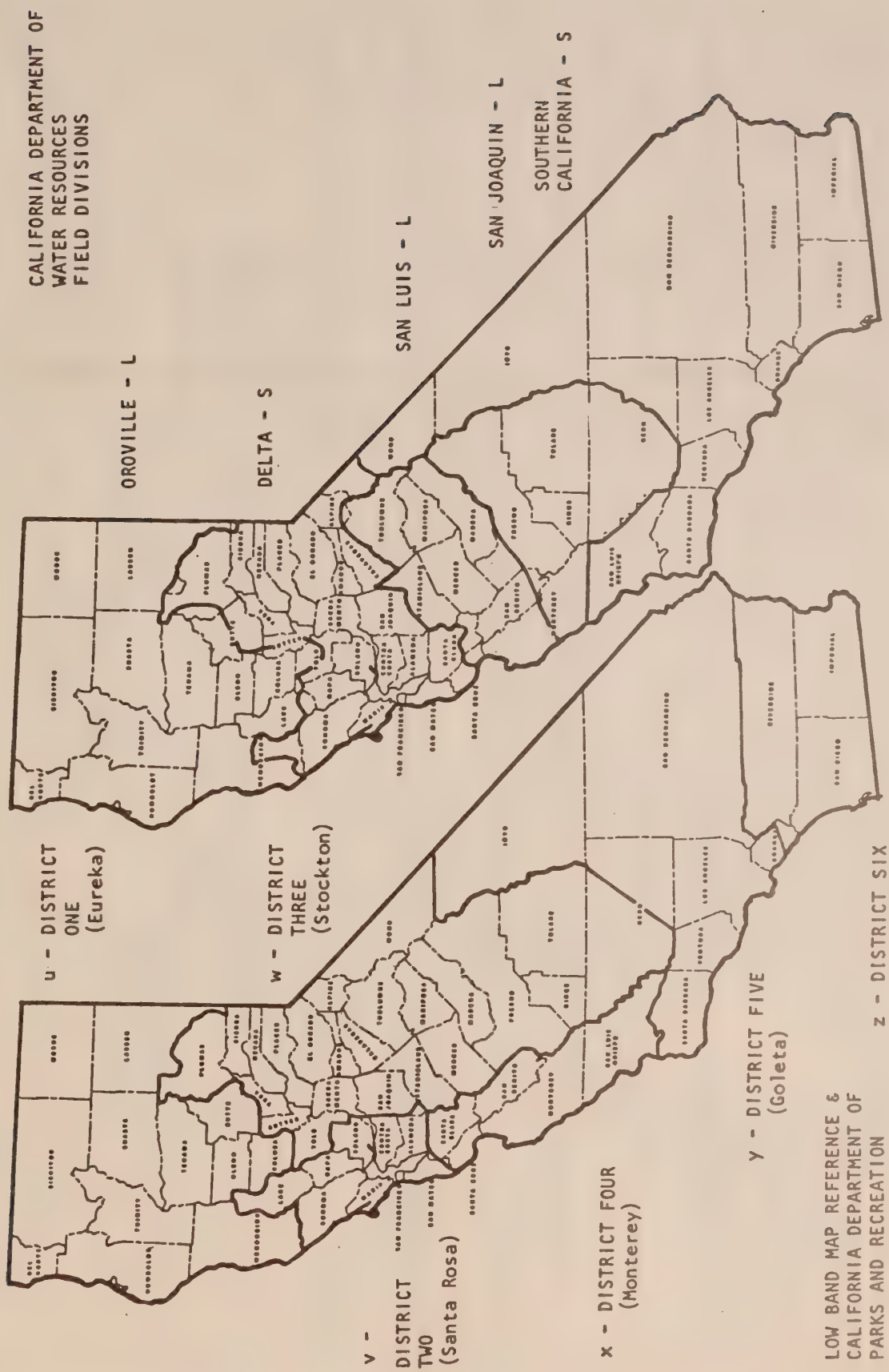
continued

Word of RCMA Spreads . . .

アンケート調査編
****

RCMA
Radio Communications Monitoring Association (米国)

♠John Clark／RCMA／1975年5月／たった5人でスタートしたが，1979年11月には1000名，1980年12月には2000名，現在2500名。アメリカ全土50州と外国も11か国に会員を有する／2500名／ 30 MHz 以上の Two Way Communication の受信専門／会報発行／無♥㊀無，㊁空 US$15.00／AP有／Radio Communications Monitoring Association, P. O. Box 4563, Anaheim, CA92803, U. S. A.／RC または外為／私たちのクラブは通信の受信を目的とする世界で最初のクラブです。公安，航空，鉄道，消防，報道など VHF，UHF を利用した通信は数多くあります。規則に従った受信はとても興味深いものです。日本からの問合わせは数件ありましたが，まだ入会者はいません。ぜひ参加しませんか。
♣縦215×横140・84頁／"Beginners Corner"／オフ／月刊／不明


CALIFORNIA - FORESTRY-CONSERVATION RADIO SERVICE SYSTEMS
CALIFORNIA DEPARTMENT OF WATER RESOURCES FIELD DIVISIONS
OROVILLE - L
DELTA - S
SAN LUIS - L
SAN JOAQUIN - L
SOUTHERN CALIFORNIA - S
u - DISTRICT ONE (Eureka)
w - DISTRICT THREE (Stockton)
v - DISTRICT TWO (Santa Rosa)
x - DISTRICT FOUR (Monterey)
y - DISTRICT FIVE (Goleta)
z - DISTRICT SIX (San Diego)
LOW BAND MAP REFERENCE & CALIFORNIA DEPARTMENT OF PARKS AND RECREATION DISTRICTS

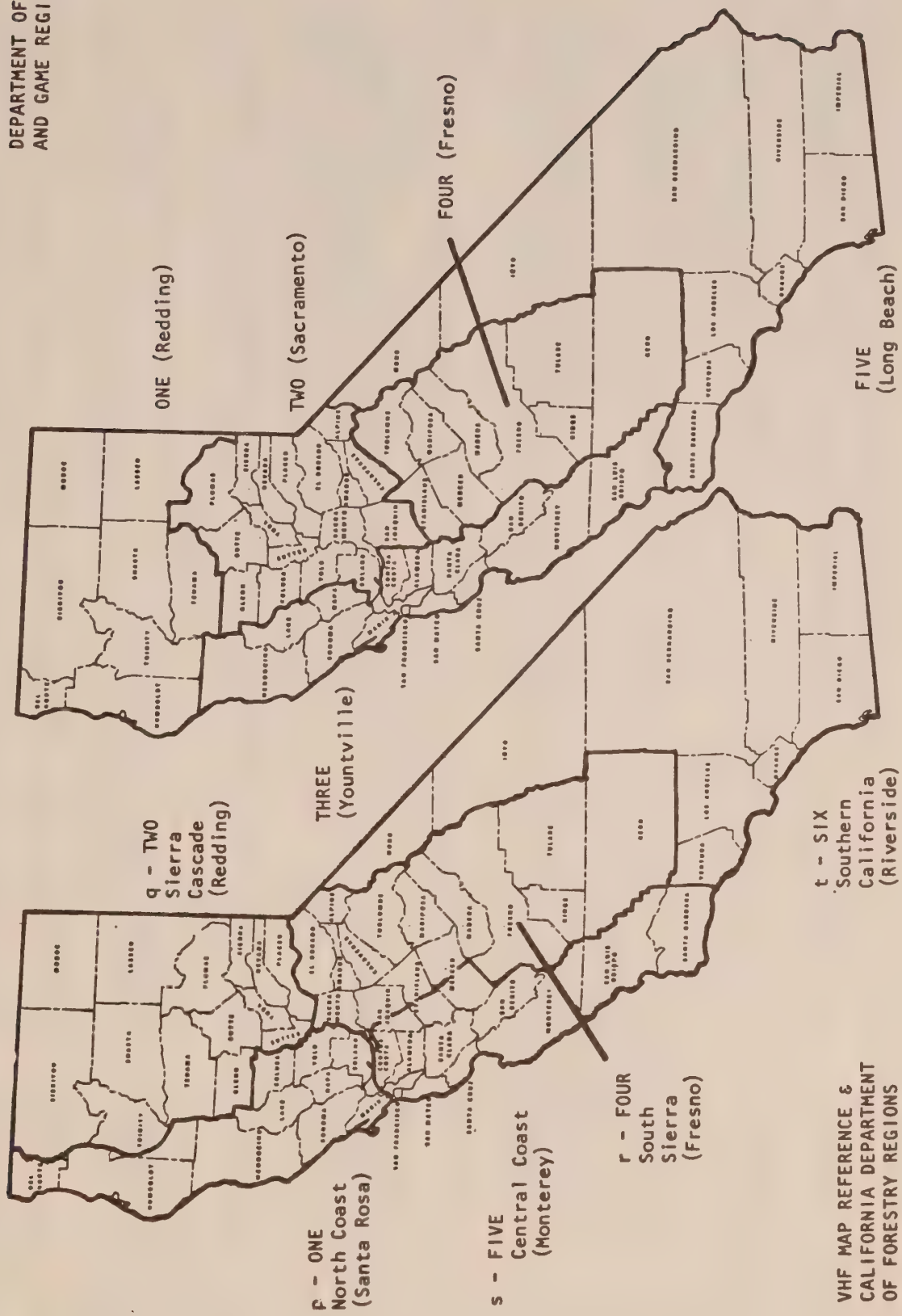
Freq.	u	v	w	x	y	z	Map Reference	Other States
44.64	CPR District 1 F2, simplex c179.9; i44.96	EBRPD, CH 3 Fire Control, Park Mainten.		CPR District 4 F2, simplex c192.8; i44.96	Orange Co; SERPD			
.68			CPR District 3 F2, simplex c192.8; i45.00			CPR District 6 F2, simplex c179.9; i45.00		
.72		CPR District 2 F2, simplex c179.9; i45.04			CPR District 5 F2, simplex c192.8; i45.04			
.76		EBRPD CH 1; i45.04 CH 2, simplex				Arizona (Parker Dam)	Arizona	
.80	CPR F3 Statewide Aquatic Areas							
.84				Santa Clara County *1 o151.145	LACFCD			
.88	CPR F4 Statewide Common						Oregon Dept. Fish & WL	
.92		Alameda Co *2						
.96	CPR District 1 F1 c179.9; o44.64	EBRPD CH 4 Car to Car		CPR District 4 F1 c192.8; o44.64	LACFCD			
45.00			CPR District 3 F1 c192.8; o44.68	MPROSD F1, simplex		CPR District 6 F1 c179.9; o44.68		
.04	EBRPD CH 1 o44.76	CPR District 2 F1 c179.9; o44.72			CPR District 5 F1 c192.8; o44.72		Arizona	

*1 Agencies, (Agency prefix)
Santa Clara Valley Water District ("42")
Santa Clara County Park & Recreation District ("28")
Mid Peninsula Regional Open Space District (MPROSD) ("21") (F2)
*2 50 mobiles; bases: 3 Livermore, 4 San Leandro
SERPD - South East Recreation & Park District, Norwalk
LACFCD - Los Angeles County Flood Control District
EBRPD - East Bay Regional Park District

c - CTCSS frequency
i - Mobile relay input frequency
o - Mobile relay output frequency
CPR - California Park & Recreation Department

Data and Layout:
Gregory C. Currivan
7/2/80

CALIFORNIA
FORESTRY-CONSERVATION
RADIO SYSTEMS
LOW BAND (44-45 MHz)


CALIFORNIA - FORESTRY-CONSERVATION RADIO SERVICE SYSTEMS
DEPARTMENT OF FISH AND GAME REGIONS
ONE (Redding)
TWO (Sacramento)
FOUR (Fresno)
FIVE (Long Beach)
THREE (Yountville)
q - TWO Sierra Cascade (Redding)
p - ONE North Coast (Santa Rosa)
s - FIVE Central Coast (Monterey)
r - FOUR South Sierra (Fresno)
t - SIX Southern California (Riverside)
VHF MAP REFERENCE & CALIFORNIA DEPARTMENT OF FORESTRY REGIONS

Freq.	p	q	r	s	t	Map Reference	Other States
151.145	Solono Co		Sacramento Area *3	Santa Clara Co *1 I44.84	San Bernardino Co FC	Oregon	
.16		Shasta-Trinity RU I159.27		Monterey Co Parks	Orange Co FC; LACFCD	Oregon Nevada	
.175			Tuolumne-Calaveras RU I159.45		Riverside RU (East) I159.285	Oregon	
.19	Mendocino RU I159.225	Lassen-Modoc RU I159.225	Amador-Eldorado; Tulare RUs DPRA I159.225	Hayward Area RD	San Diego RU I159.225	Oregon	
.205	DWR 'State'; I159.24 (T1), 159.255 (T2), 159.465 (T3)					Oregon	
.22	CDF Handie-talkie Net 'Red Net' Statewide, simplex					Oregon, Washington	
.235	DWR 'Local'; I159.24 (T1), 159.255 (T2), 159.465 (T3)					Washington	
.25	Humboldt-Del Norte RU I159.405	Nevada-Placer-Yuba RU I159.405; Siskiyou RU I.33		Monterey-San Benito RU I159.405		Washington	
.265			Region Four I159.33		Region Six I159.33	Washington	
.28	CDF Air Net 'Blue', simplex					Washington	
.295	CDF Air Net 'Green', simplex					Washington	
.31	CDF Air Net 'Yellow', simplex					Washington	
.325		Region Two I159.36		San Luis Obispo RU I159.315	Orange RU I159.345	Washington	
.34	Lake-Colusa-Napa-Solano RU I159.315					Nevada	
.355	CDF State Net; I159.3, Statewide						
.37		Tehama-Glenn RU I159.285		San Mateo-Santa Cruz RU I159.285		Washington	
.385	Region One I159.27		Fresno-Kings RU I159.27		Riverside RU (West) I159.36	Washington	

Freq.	p	q	r	s	t	Map Reference	Other States
151.4		Butte RU i159.375		Santa Clara RU i159.375		Mexico (Tijuana PD) Oregon	
.415	DFG Region One; Region Three; i159.435					Washington	
.43	DFG Region Two; Region Four; Region Five; i159.42					Oregon	
.445				Region Five i159.345	San Bernardino RU i159.39	Washington	
.46	Sonoma RU i159.39		Mariposa-Madera-Merced RU i159.39		Arizona (Parker Dam); Conejo RPD (Thousand Oaks)	Mexico (Tijuana PD) Arizona Oregon	
.475				San Mateo Co Parks; Livermore RPD	San Bernardino	Nevada Oregon	
.49 *5						Washington Oregon	

i - Mobile relay input frequency
o - Mobile relay output frequency

CDF - California Department of Forestry
DFG - Department of Fish and Game
DPRA - Don Pedro Recreation Agency, La Grange
DWR - Department of Water Resources
FC - Flood Control
LACFCD - Los Angeles County Flood Control District
RD - Recreation District
RPD - Recreation and Park District
RU - Ranger Unit

*1 Agencies, (Agency prefix)
Santa Clara Valley Water District ("42")
Santa Clara County Park and Recreation District ("28")
Mid Peninsula Regional Open Space District ("21")

*3 Sunrise Recreation and Park District, Citrus Heights
Fulton El Camino Recreation and Park District, Sacramento
?South Gate Recreation and Park District, Sacramento
?Cordova Recreation and Park District, Rancho Cordova

*5 Shared with Special Industrial Radio Service

Data and Layout:
Gregory C. Currivan, 8/7/80

CALIFORNIA FORESTRY-CONSERVATION
RADIO SYSTEMS, VHF (151 MHz)

Freq.	p	q	r	s	*7 t	Map Reference	Other States
159.225	Mendocino RU o151.19	Lassen-Modoc RU o151.19	Tulare RU; Amador-Eldorado RU o151.19		San Diego RU o151.19		
.24	DWR 'T1'; o151.205 'State', 151.235 'Local'						
.255	DWR 'T2'; o151.205 'State', 151.235 'Local'						
.27	Region One o151.385	Shasta-Trinity RU o151.16	Fresno-Kings RU o151.385		LACFCD		
.285		Tehama-Glenn RU o151.37		San Mateo-Santa Cruz RU o151.37	Riverside RU (East) o151.175		
.3	CDF State Net; o151.355						
.315	Lake-Colusa-Napa-Yolo-Solano RU o151.34			San Luis Obispo RU o151.325			
.33		Siskiyou RU o151.25	Region Four o151.265		Region Six o151.265		
.345				Region Five o151.445	Orange RU o151.325	Nevada	
.36		Region Two o151.325			Riverside RU (West) o151.385		
.375		Butte RU o151.4		Santa Clara RU o151.4	Orange Co FC; Conejo RPD o1.46 (Thousand Oaks)	Nevada	
.39	Sonoma RU o151.46		Madera-Merced-Mariposa RU o151.46		San Bernardino RU o151.445	Nevada	
.405	Humboldt-Del Norte RU o151.25	Nevada-Placer-Yuba RU o151.25		Monterey-San Benito RU o151.25	LACFCD		
.42	DFG Region Two; Region Four; Region Five; o151.43						
.435	DFG Region One; Region Three; o151.415						
.45			Calavaras-Tuolumne RU *4 o151.175		Riverside	Nevada	
.465	DWR 'T3'; o151.205 'State', 151.235 'Local'						

Data and Layout: Gregory C. Currivan, 9/1/80

CALIFORNIA FORESTRY CONSERVATION RADIO SYSTEMS, VHF (159MHz)

Communications Profile continued

CALIFORNIA DEPARTMENT OF
FORESTRY AIRCRAFT NETWORKS
COVERAGE AREAS

*4 Nevada (South Lake Takoe, USFS, LTBMU)
o158.895

*7 Map Reference t

453.2 San Bernardino County;
Simi Valley RPD

453.8 San Diego City (San Diego Wild
Animal Park)

I - Mobile relay input frequency
o - Mobile relay output frequency
FC - Flood Control
LACFCD - Los Angeles County Flood Control
District
RPD - Recreation and Park District
RU - Ranger Unit

B - Blue Aircraft Network

G - Green Aircraft Network

Y - Yellow Aircraft Network

U - Undesignated areas:
All of Sierra, Sutter, Alpine, Mono,
Sacramento and Imperial Counties.
Part of Siskiyou, Trinity, San Joaquin
and Stanislaus Counties.

contact/info wanted

This column has two purposes: to help members contact each other, and to help members obtain information directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interests, this is the perfect place for you to make your desires known. Remember--those who respond will do so directly, so be sure to provide your phone number, the best time to be called, or your address.

Write to: John W. Darr, P.O. Box 1652, Cheyenne, WY 82001

KANSAS/MISSOURI FREQS WANTED: Member would like to exchange frequency information with other Kansas or Missouri RCMA members. Especially looking for info regarding Kansas City. [4-6-81]

RICHARD L CANON (KS-Ø21), 1938 Lindenwood Circle, Olathe, KS 66062 // 913-764-5538 after 5:00 p.m. and on weekends

WANTED: CASETTE TAPES OF RECENT NEWS EVENTS Here's a member who would like to obtain casette tapes of the following events: MGM Hotel fire, fire & EMS; Beverly Hills Supper Club, fire & EMS; Presidential security traffic, re recent incident in DC. Will pay for tapes, etc. [4-7-81]

JOHN MacMILLAN (MA-ØØ5), Box 566, Ashburnham, MA 01430

NEW HAMPSHIRE INFO: Member wishes info on NH 10-CODE and info on DPW, Fish & Game, State & County Police. Interest includes transmitter and repeater sites, unit designations, channel numbering and use. [4-7-81]

JOHN MacMILLAN (MA-ØØ5), Box 566, Ashburnham, MA 01430 // (617) 827-4869

FIRE RADIO COMMUNICATIONS INFO NEEDED: Here's a member who edits the quarterly International Fire Photographer's Association's newsletter. He's looking for freqs, unit numbers, station locations, equipment info, etc., -- including photographs -- to be used as info for traveling firefighters and fire photographers. Credits will be given to authors. Include your phone number, in case problems need to be resolved quickly. [4-11-81]

ROBERT A TRIVALOS (WI-Ø26), 906 E. Waterford Ave #3, Milwaukee, WI 53207 // (414) 747-0535

D.C. MYSTERY? Help solve a mystery! Can anyone identify the transmitter in the area of Maryland/DC on 163.200 MHz? The only I.D. they give on the air is "DC Control" and "Maryland Control." Also, does anyone know the location of the FBI office that "Pokoe" and "C-13" units operate from? Any help would be appreciated. [4-14-81]

MARY C RIPKEE (PA-Ø85), 305 Haven St, Schuylkill Haven, PA 17972

TALLAHASSEE FREQS: Will exchange my Ocala/Marion County frequencies for yours of the Tallahassee area. [4-22-81]

DAVID GLORIUS (FL-Ø58), P O Box 452, Silver Springs, FL 32688

NEED R-1121 MANUAL: Member needs schematic for R-1121/TRC-87. If manual available, will copy and return, or pay for copies, or whatever. [4-25-81]

GEORGE DuBOIS (OR-ØØ1), 10048 NE Campaign, Portland, OR 97220

WANTED: ATLANTA FREQS Need frequencies used in Atlanta, GA: police, fire, EMS, news, State Police, GBI, services, and any FM aircraft frequencies. [4-26-81]

SCOTT CARR (AL-Ø15), P O Box 1485, Birmingham, AL 35201

FCC TOPICS

George DuBois, Editor

Send FCC news and information of interest relating to two-way communications above 30 MHz, as well as questions regarding the FCC Rules and Regulations, to: George DuBois, 10048 NE Campaign, Portland, OR 97220.

The FCC has issued a Final Order creating a new Marine Band in the 216 to 220 mHz band. The new channels are for use in an automated, interconnected system eventually linking the entire Mississippi River system. F1, F3 or F4 type emission is permitted, allowing a variety of uses, including teletype and facsimile. In addition to the upper and lower Mississippi Rivers, the Mississippi River system is taken to include the following navigable waterways: Allegheny, Amite, Arkansas, Atachafalaya, Big Sandy, Black (Ar.), Black (Wi.), Calcasieu, Cumberland, Green/ Barren, Hiwasse, Illinois, Kanawha, Kaskaskia, Kentucky, L'Anguille, Little Kanawha, Mermentau, Minnesota, Missouri, Monongahela, Ohio, Ouachita, Red, St. Croix, St. Francis, Tennessee, White, Wolf and Yazoo rivers. When the canal project to connect the Tennessee and the Tombigbee rivers is completed, this will also include the Alabama, Black Warrior, Mobile and the Tombigbee rivers. I don't know where half of these are, but a quick glance at a map shows that this will include about 15 or 16 states.

The Inland Waterways Communications System (IWCS) concept goes back over ten years, as towboat and barge industry representatives sought to relieve congestion on existing channels and provide a standardized, wide-area, automated (direct-dial) system with voice and data capabilities. Presently, communications are through Limited Coast stations, which serve one area and one company, or through existing, individual VHF Marine operators, which are manual in nature and are not interconnected. Basically, three proposals were put forward to solve the problem: use of the existing (156-162 mHz) Marine Band, the allocation of frequencies at 800 mHz, or the allocation at 216 mHz.

There were a number of ideas put forth to accomodate the service in the present VHF Marine Band. A couple of them suggested using channels from the International Marine Band, which starts at 156.025 through 157.425 and roughly 160.625 through 162.025 mHz. (The Marine Band in N.America starts with channel 65 at 156.275 and with ch.23 at 161.75 mHz.) Since Marine channels have 25 kHz spacing and Land Mobile channels have 15 kHz spacing, only three of the Land Mobile channels coincide with the Marine channels. This means that services on 24 channels would have to be vacated to provide 9 marine channel-pairs. This would affect 624 Police Radio Service licensees and 1214 Highway Maintenance users at 156 mHz and 9,500 Remote Pickup Broadcast licensees in the 161 mHz area, plus taking away 33 of the 91 Railroad Radio Service channels! Well, this was kind of a loser from the word go. Also considered was the use of FM or SSB offsets between the existing Marine channels, but this was dismissed for a number of reasons. 12.5 kHz offsets would require geographic separation between stations and would therefore not provide the greatest relief in the most congested areas. Studies also suggested that SSB offsets may cause serious degradation of service on the adjacent channels.

Another proposal was for the allocation in or adjacent to bands allocated for Common Carrier cellular systems at 825-845 and 870-890 mHz. The advantages here are that the maritime system could eventually be integrated into the nationwide land mobile cellular system. There was also the fact that less TV interference would be caused than at 216 mHz, although there was concern for image interference to UHF TV channels 58-61 and 66-69. The disadvantages were the shorter propagation distance and the delay in implementing the system, since technical and regulatory standards for cellular systems have not yet been established. (The two existing cellular systems are experimental in nature.)

Allocation at 216-220 mHz had a number of advantages. The band is presently allocated to the Government for radiolocation (tracking) and telemetry and, on a secondary basis, to private users, also for telemetry. Government operations have

been phased out for the most part, and shared use with the IWCS would present no problem, even nationwide, eventually. Also, the propagation is good at these frequencies. And systems can be implemented immediately. The major disadvantage is the probable high degree of interference to TV channel 13 (210-216 mHz).

In comments filed, the broadcast groups were universally opposed to allocation at 216 mHz. Mid-America TV suggested that if the band must be used, transmitters in the lower half of the band be located at least 90 miles from any TV channel 13 transmitter. ABC also opposed use of the band but affirmed the view that the 161 mHz frequencies were needed for land mobile use (especially remote pickup broadcast). Common Carriers agreed with the need for the service, although some thought the proceeding unjustly criticized the quality of service of the existing VHF telephone stations. They were also concerned with the loss of business in the 161 mHz band. AT&T suggested that stations be allowed to discontinue manual service upon a 90 day notice to the Commission when an IWCS station is installed. LaFourche Telephone Company urged that existing coast stations be given priority for assignment in the new band. The Land Mobile Communications Council supported use of the 216 mHz band because of the lack of propagation data at 800 mHz and the other proposed and planned uses of the 800 mHz reserve channels. Government agencies all urged selection of the 216-220 band, the Coast Guard indicating that TVI problems can be avoided with proper engineering. The Maritime Administration urged that standards be adopted for international digital selective calling (Selcall). One maritime interest suggested reserving some channels for manual use and opposed the requirment that land stations be interconnected. Another group wanted channels reserved for private users, instead of Common Carriers.

216-220 is the band the US went to the World Administrative Radio Conference with in 1979 (as if the decision had already been made) and maritime use was approved in this hemisphere. The original proposal visualized 14 channel pairs with 3 mHz between transmit and receive, 216.6625 through 216.9875 for ship transmit and 219.6625-219.9875 for coast stations. The Final Order allocates 80 channel pairs with 2 mHz spacing, starting at 216.0125 through 217.9875 for coast stations and 218.0125-219.9875 for ship transmit. The channel pairs are numbered in sequence, 101 through 180.

The Commission agreed with the majority of commenters that, other than the existing VHF standards for voice, no detailed technical standards should be adopted now, beyond defining the spectrum available and establishing emission limits. Nor will they adopt a signalling format. This will allow IWCS systems flexibility to meet user needs and promote competition among service and equipment suppliers.

To alleviate potential TVI problems, the channels are divided into four groups, groups c and d being the lower 1 mHz of the band, 216 to 217 mHz for land stations, paired with 218-219 for ship stations. These frequencies will not be authorized within 105 miles of a TV channel 13 station. All proposed stations for the other frequencies (217-218/219-220) will be required to submit an engineering study determining the degree of probable interference if they are less than 105 miles of an existing ch. 13 and take any necessary steps to insure that no interference will occur.

continued

Books at Discount! RCMA July Special!

1. World Radio TV Handbook 1981, 600p, Billboard Publications, $15
2. Federal Frequency Directory, 260p, Robert B. Grove, $14
3. North American Radio TV Station Guide 14th ed., 210p, Vane Jones, $7.50
4. FM Atlas & Station Directory 6th ed., 1980, 100p, Bruce Elving, $5
5. Intro to Microcomputers for the Ham Shack, 90p, H. L. Helms, Jr., $4
6. Electronic Telephone Projects, 165p, A. J. Caristi, $6
7. Beginners' Handbook of Amateur Radio, 380p, Clay Laster, $9
8. Complete SWL's Handbook 2nd ed., 1980, 300p, Bennett & Helms, $8
9. Police Call 1981, Gene Hughes, 9 volumes, $6 each. Specify vol. # or state(s); order 3 and get choice of #3 thru 6 FREE. Order all 9 ($54) and take your choice of $25 in books from above list.

ALL PRICES POSTPAID! CA residents add 6% sales tax. Mail with SASE and check or money order payable to: DONALD ERICKSON, 6059 Essex St., Riverside, CA 92504. Inquiries welcome 7AM-midnight PDT, 714-687-5910.

An IWCS system must provide service along 60% of the length of a navigable waterway or the entire length of rivers less than 150 miles long. The Commission also decided there was no need to limit IWCS systems to public correspondence service by Common Carriers. Service can just as well be provided by an industry cooperative on a cost sharing basis. Therefore they are not requiring that Common Carrier (public) serviee be provided by IWCS stations, other than in an emergency or distress situation. This way tug and barge companies can make arrangements for sharing their own system.

Channel No.	Coast Receive (MHz)	Coast Transmit (MHz)	Group
101	216.0125	216.0125	D
102	216.0375	216.0375	
103	216.0625	216.0625	
104	216.0875	216.0875	
105	216.1125	216.1125	
106	216.1375	216.1375	
107	216.1625	216.1625	
108	216.1875	216.1875	
109	216.2125	216.2125	
110	216.2375	216.2375	
111	216.2625	216.2625	
112	216.2875	216.2875	
113	216.3125	216.3125	
114	216.3375	216.3375	
115	216.3625	216.3625	
116	216.3875	216.3875	
117	216.4125	216.4125	
118	216.4375	216.4375	
119	216.4625	216.4625	
120	216.4875	216.4875	
121	216.5125	216.5125	C
122	216.5375	216.5375	
123	216.5625	216.5625	
124	216.5875	216.5875	
125	216.6125	216.6125	
126	216.6375	216.6375	
127	216.6625	216.6625	
128	216.6875	216.6875	
129	216.7125	216.7125	
130	216.7375	216.7375	
131	216.7625	216.7625	
132	216.7875	216.7875	
133	216.8125	216.8125	
134	216.8375	216.8375	
135	216.8625	216.8625	
136	216.8875	216.8875	
137	216.9125	216.9125	
138	216.9375	216.9375	
139	216.9625	216.9625	
140	216.9875	216.9875	
141	219.0125	217.0125	B[1]
142	219.0375	217.0375	
143	219.0635	217.0635	
144	219.0875	217.0875	
145	219.1125	217.1125	
146	219.1375	217.1375	
147	219.1625	217.1625	
148	219.1875	217.1875	
149	219.2125	217.2125	
150	219.2375	217.2375	
151	219.2625	217.2625	
152	219.2875	217.2875	
153	219.3125	217.3125	
154	219.3375	217.3375	
155	219.3625	217.3625	
156	219.3875	217.3875	
157	219.4125	217.4125	
158	219.4375	217.4375	
159	219.4625	217.4625	
160	219.4875	217.4875	
161	219.5125	217.5125	A[1]
162	219.5375	217.5375	
163	219.5625	217.5625	
164	219.5875	217.5875	
165	219.6125	217.6125	
166	219.6375	217.6375	
167	219.6625	217.6625	
168	219.6875	217.6875	
169	219.7125	217.7125	
170	219.7375	217.7375	
171	219.7625	217.7625	
172	219.7875	217.7875	
173	219.8125	217.8125	
174	219.8375	217.8375	
175	219.8625	217.8625	
176	219.8875	217.8875	
177	219.9125	217.9125	
178	219.9375	217.9375	
179	219.9625	217.9625	
180	219.9875	217.9875	

[1] Available for assignment to coast stations located within or in proximity to the service area of a Channel 13 TV Broadcast station, subject to the provisions of § 81.134(i).

PART 83—STATIONS ON SHIPBOARD IN THE MARITIME SERVICES

1. In § 83.3 a new paragraph (s) is added to read as follows:

§ 83.3 Maritime mobile service.

* * * * *

(s) Inland Waterways Communication System (IWCS). An automatic, integrated and interconnected maritime communications system serving ship stations on the Mississippi River and connecting waterways.

2. In § 83.131 a new subparagraph (b)(8) is added, to read as follows:

§ 83.131 Authorized frequency tolerance.

* * * * *

(b) * * *

(8) Stations when using frequencies within the band 216–220 MHz: Using emissions F1, F3, or F4	5

* * * * *

3. In § 83.132 a new subparagraph (a)(6) is added to read as follows:

§ 83.132 Authorized classes of emission.

(a) * * *

(6) 216–220 MHz:	
(i) radiotelegraphy	F1, F4.
(ii) radiotelephony	F3.

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FEDERAL GOV'T and MILITARY

Robert B. Grove, Editor

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to: Robert B. Grove, Route 1–Box 156, Brasstown, NC 28902. Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

SPACE SHUTTLE ENTERPRISE COMMUNICATIONS

The historic first orbital flight of the NASA Space Shuttle "Enterprise" was received by listening posts among our members. The primary UHF frequency of 296.8 was most commonly reported. Dennis (OK-002) reported that frequency in use during several passes of the Columbia.

By the time members read this column, the new Grove Enterprises 225-400 MHz aerospace receiver will be well on it's way to reality.

POLICE CALL DIRECTORY

Most members are well aware of Gene Hughes" Police Call Directory, available from all Radio Shack outlets. The 1981 edition now contains an enlarged Federal Government list, including such entries as US Air Force, US Navy, and other non-sensitive frequencies for specific installations around the country.

For the uninitiated, the Police Call Directory is available in 9 volumes, roughly breaking the dense population areas of the United States into specific states. An expected price increase this year now places the volumes at $6.95 each, and they are well worth it!

RADIO COMMUNICATIONS GUIDE

Steven J. Handler, author of the popular Radio Communications Guide, has requested that I mention that he no longer has any copies of his directory. All orders for the useful reference should be directed to Grove Enterprises at the address at the top of this column. Several prices had been quoted in the past, but this addition will be sold at $6.95 plus shipping until the few remaining volumes are sold out.

NORTH AMERICAN SHORTWAVE LISTENER'S HANDBOOK

Louis Felipe has released his 1981 edition of his collection of foreign broadcast stations readily heard in North America.

The concise 40-page booklet contains broadcasting frequencies, schedules and languages of dozens of countries in an easy-to-read format. The book may be ordered (and inquire about price) from Lufel International, P.O. Box 232, Rego Park, N.Y. 11374.

MORE SHUTTLE FREQUENCIES

Walt (CA-OR-129) would like to remind our space-shuttle listening enthusiasts that there are several UHF and S-band frequencies on which the Columbia may be heard.

All UHF frequencies are AM while S-band frequencies are FM multiplex.

296.8	Primary shuttle and ground stations.
259.7	Secondary shuttle and ground stations.
279.0	Space suit to shuttle (Re-broadcast 296.8 to earth)
2287.5	Voice and data
2272.5	Voice and data
2106.40625	Data (also 2101.8, space 2265.5)

Thanks, Walt, for this information relayed to me by Chuck Gysi.

THOSE CANADIAN BEARCATS

Considerable confusion reigns regarding the availability in the United States of the Canadian export versions of the BC 220C.

Gordon (MA-021) indicates that Orcutt and Hussey (P.O. Box 216, Florence, MA. 01060) has the 220C for US distribution. They are obtained through A.C. Simmonds & Sons and Lectron Radio Sales of Ontario. Thanks, Gordon, for this interesting information.

THOSE SENSITIVE FREQUENCIES AGAIN!

Robert (WI-026) recommends that members may wish to subscribe between each other to a frequency exchange newsletter. Several considerations were made:

1. For the serious federal agency monitor.
2. Cost approximately $10.00 (mailing & printing 12 monthly issues, 2-6 pages)
3. Articles and frequencies for federal operations.
4. Publication of all frequencies, sensitive or non-sensitive, with no identification given to donor of information unless written authorization is made.
5. Publications made available to anyone, RCMA member or not, so as not to violate RCMA non-sensitive publication stand.
6. Issue broken down into following categories: Administration, Enforcement, Aeronautical or miscellaneous (and/or others).

Interested members with suggestions may wish to write Robert A. Trivalos at 906 E. Waterford Ave. #3, Milwaukee, WI. 53207. Thanks, Robert, for your suggestions. Let me know if anything comes of this!

Jim (VA-022) suggests that many so-called "sensitive" frequencies have been published for years in the ITU frequency list (last published 1979). The Library of Congress maintains this publication, and it is available to anyone. One agency, US Immigration & Naturalization ("Border Patrol") is one of the services fully listed.

Jim suggests that we might experimentally publish some of these publicized agencies without fear of apprehension. What do you think?

THIS MONTH'S FREQUENCY CONTRIBUTORS

From Mark (WA-004)

40.55	MAST helicopter to base.
49.7/49.8	EOD Fort Lewis, Washington.
138.72	Bremerton Shipyard (Secondary)

Thanks, Mark.

Jim (VA-022)

38.40	Military unknown
38.70	Unknown with tone
40.90	Air National Guard, Salem (Ch 1)
40.95	Air National Guard, Salem (Ch 2)
41.06	FCC Mobile/Portable (rarely used ...ed)
141.150	Air National Guard Airborne frequency
142.325	Military unknown: Eugene/Cottage Grove area
143.400	Military unknown: "HQ administration", "Armory" and "Old Mess" as ID's
150.300	Unknown paging
165.975	Bureau of Land Management, Salem (paired with 166.850 ..ed.)
166.175	FAA Salem (ILS repair crew)
241.600	Air National Guard Airborne

Thanks, Jim, for an interesting letter.

Jeff Hooper Chattahootchee National Forest
(Aircraft helicopter channel designator)

Channel 1	168.025
Channel 2	164.825
Channel 3	168.675

Channel 4	168.725
Channel 5	171.575
Channel 6	171.525
Channel 7	169.900
Channel 8	169.175
Channel 9	168.200
Channel 10	168.750
Channel 11	168.775
Channel 12	169.925
Channel 13	171.425
Channel 14	171.475
Channel 15	168.625
Ground Channel 1	168.625
Ground Channel 2	168.050
VHF Air-Tanker	122.900

Thanks, Jeff, and good luck in your new career!

Bill Brinkley (CA-LA-?)

139.075 Emergency Communications Vehicle, US Army, Ft. McClellan

FEMA portable repeaters:

142.350	Channel 1 simplex	Channel 5:	Channel 3 out, Channel 1 in
142.425	Channel 2 simplex	Channel 6:	Channel 3 out, Channel 2 in
142.975	Channel 3 simplex	Channel 7:	Channel 4 out, Channel 1 in
143.000	Channel 4 simplex	Channel 8:	Channel 4 out, Channel 2 in

Thanks, Bill.

Fred (NM-005) Bureau of Land Management

Channel 1	168.225	Scene of action
Channel 2	168.525	Albuquerque district
Channel 3	167.075	Albuquerque repeater
Channel 4	169.65	Socorro district
Channel 5	167.900	Socorro repeater
Channel 6	168.575	Las Cruces district
Channel 7	166.875	Las Cruces repeater
Channel 8	168.500	Roswell district

Fred also has an extensive list of US Forest Service "ten" codes, radio call sign allocations and other official assignments for his region. I am sure he would be willing to share these for the cost of postage and photocopies. Write Fred at Box 407, Magdalena, N.M. 87825. Thanks,Fred, for sharing this information.

Bob (KS-001)

34.83	Witchita Wildlife Refuge (Oklahoma)
139.100	US Army (National Guard?) Aircraft, Kansas.
143.450	Air Force MARS repeater (142.150 input)
143.990	Army MARS repeater (148.010 input)
149.205	USAF Whiteman AFB, MO.
149.235	USAF Whiteman AFB, MO. repeater
162.345	US Army Corp of Engineers (repeater out 163.4375)
163.4625	McConnell AFB Security (Witchita, KS.)
164.225	DOE Kansas City, MO.
164.375	DOE Kansas City, MO.
166.175	FAA repeater, training & security
172.100	US Weather Bureau, Kansas City, MO. Bulletins
172.175	FAA Runway Lighting Telemetry, KCI Airport
389.150	USAF Omaha
390.000	McConnell AFB
390.800	Agency unknown
392.600	Open carrier, agency unknown
397.050	USAF Omaha (tone encoded)
398.100	USAF location unknown
398.950	Wide-band multiplex
406.700	Tone modulated carrier (DOE ...ed?)
409.425	Army Fire Dept., Ft. Leavenworth repeater

410.200 Army Base Engineers, Ft. Leavenworth repeater
412.900 Open carrier (CID or security? ...ed)
415.300 USDA Grain Inspectors, Kansas City

Thanks, Bob, for this interesting list!

And won't we see a few more lists next month? Send them in!

International

Richard Stein, Editor

This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to: Richard Stein, 456 Barrymore Place, North Brunswick, NJ 08902.

SOME THINGS MOTHER BEARCAT NEVER TOLD ME

I've had several more exchanges of phone calls and tapes with David (001-NIRE). David, as you remember, told us about his BC-220FB. This is the foreign model adjusted to receive 66-90MHz. It will also, however, receive 30-50MHz. but with reduced sensitivity. (Electra has denied this capability).

Well, David now tells me some more very curious features of this little set. Here they are

Some local fire brigades and police units broadcast between 100 and 102 MHz. in Great Britain. This part of the spectrum, used only for FM in other parts of the world, is also shared with public service units in the European Region. David reports that these local signals have at times disrupted his DX-ing of a Spanish FM signal (stereo FM). For some unknown reason, these signals, originating on 102.1(a) appear on his BC at 67.162. Others show up at 67.200 and 67.137. Pete (002-NIRE) reports that these signals cannot be received on either his SX-200 or Regency.This 34MHz. difference is a strange number. Does anyone have any ideas?

MORE OF "BETTY BEARCAT'S" GUARDED TREASURE

THE GARDA SIOCHANA (the Guards) are the Republic of Ireland police. They broadcast at 82MHz. using AMPLITUDE MODULATION. These AM signals can be received on the Bearcats, but with some distortion and probably with reduced sensitivity if the AM suppression is working well. There appears to be a way to set the BC in the AM mode on other than aircraft frequencies. David again reports

1) stop the scanning

2) choose the channel containing the desired frequency

3) enter ANY aircraft frequency as the first limit of the search mode (e.g. 120.0MHz.). The radio will now be in the AM mode and the DESIRED frequency will still be the one monitored. The AM signal can now be received clearly and loudly.

4) the digital readout can be brought back to the DESIRED frequency by simply hitting the decimal point. This last action will make no other change in set operation at this time.

5) the set can only be used in the AM mode on these FM frequencies when the set is NOT scanning or searching. Setting the radio in motion negates the mode change.

Now why didn't "Betty Bearcat" tell us this?

Will some U.S. member having any Bearcat with an aircraft band please try this procedure on the AM pagers on 35.22, 35.58, 43.22, or 45.58 and let me now if this technique will work on the domestic (U.S.)units.

Until next month, שלום

Miscellany

P.O. Box 216
Willow Grove, PA 19090

From RENE BORDE (CA-SC-018): In regards to the FCC microfiche update on pages 8 and 9 in the April Miscellany column, here are some price increases that were effective Jan. 1, 1981.

PB81902501 Call sign index from $11.50 to $16.00
PB81902401 State index from $12.00 to $17.50

I suggest that NTIS be contacted for the price increases in the other three microfiche sets that also are listed in the column.

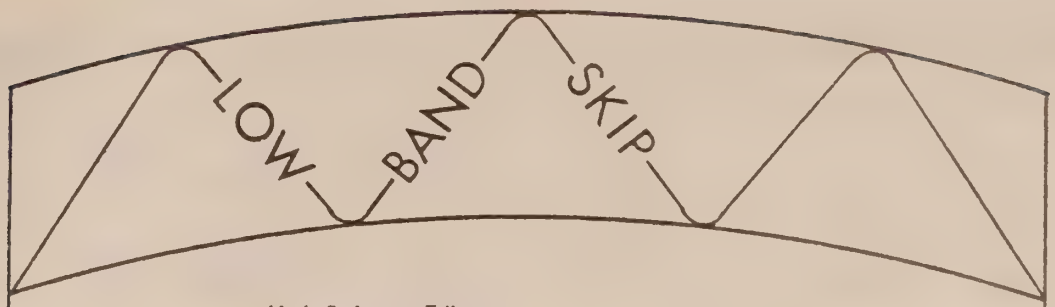
(Editor's note: The information in that column was sent by NTIS to me in mid-January.)

From GORDON NEWELL (MA-021): In the April Miscellany column, Robert (MD-029) requested information on skip conditions on Nov. 15 on 33.90 and 36.90 MHz. I have monitored this activity often in the past months and have verified its source.

All stations are in the Eastern Time Zone for the most part and operating on 33.90. They are skipping down to South America and are being repeated on a construction company business repeated which has an output of 36.90. Although 36 MHz is designated for military in the United States, these allocations do not hold true in other countries.

Most interesting has been Cleveland and Cincinnati, which both hit the repeater very hard due to the fact that they are being repeated also. Lakes Region Mutual Aid in New Hampshire also can be heard very well due to the power output of that station.

The exact location of the repeated is not known, but believed to be in Argentina or Brazil.



Mark S. Lucas, Editor

Send reception reports relating to distant stations received in the 30–50 MHz band, plus any Low Band DXing tips, comments, or articles to: Mark S. Lucas, P.O. Box 462, Lancaster, OH 43130. If you need a Low Band skip reception report form, send an SASE with your request.

May is a month of beauty and a month that Es should be starting. You might be on the alert by the end of the month. And don't just sit there, REPORT IT! Out of the thousands in the club there must be at least three (no counting me) that read this column. HI! Lots to cover so let's start!

	FROM CARL (NY-117):	39.72 MHz	KMG 956	"Mill Valley"	POLICE
B/M	Regency "Touch"	1-29-81	1655 EST	Mill Valley,CA.	2175 Miles
		39.82 MHz	KOA 216	"216"	POLICE
BASE	Touch	2-4-81	1135 EST	Cascade Co.,MT	1575 Miles
		39.82 MHz	KUN 407	"KUN 407"	POLICE
BASE	Touch	2-4-81	1139 EST	Whitehall,MT	1600 Miles
		39.82 MHz	KOA 580	"580"	POLICE
B/M	Touch	2-4-81	1144 EST	Toole Co.,MT	1600 Miles
		39.82 MHz	KOE 542	"542"	SHERIFF
B/M	Touch	2-5-81	1656 EST	Musselshell,Co.,MT	1450 Miles
		39.82 MHz	KOK 45	"KOK 45"	SHERIFF
B/M	Touch	2-5-81	1711 EST	Teton Co,, MT	1625 Miles
		39.82 MHz	KOB 482	"Big Timber"	SHERIFF
B/M	Touch	2-5-81	1712 EST	Sweet Grass Co.,MT	1500 Miles
		39.82 MHz	KOB 407	"407"	POLICE
BASE	Touch	2-5-81	1729 EST	Livingston,MT	1550 Miles
		39.82 MHz	KVN 704	"704 Bozeman"	SHERIFF
B/M	Touch	2-5-81	1731 EST	Boseman,MT	1575 Miles
		39.82 MHz	KOF 476	"476"	SHERIFF
BASE	Touch	2-5-81	1737 EST	Granite Co.,MT	1625 Miles
		39.82	KOG 907	"KOG 907-Butte"	SHERIFF
BASE	Touch	2-5-81	1545 EST	Silver Bow Co.,MT	1625 Miles
		39.82 MHz	KDE 370	"Anaconda"	POLICE
B/M	Touch	2-5-81	1548 EST	Anaconda,MT	1665 Miles
		39.82 MHz	KOG 982	"KOG 982"	SHERIFF
B/M	Touch	2-5-81	1631 EST	Twin Falls,Idaho	1725 Miles
		39.82 MHz	??? 849	"Hill County"	SHERIFF
B/M	Touch	2-5-81	1644 EST	Hill Co.,MT	1600 Miles
		39.82 MHz	KOE 362	"362"	SHERIFF
B/M	Touch	2-5-81	1632 EST	Blaine Co.,MT	1500 Miles
		39.82 MHz	KYU 552	"552"	SHERIFF
B/M	Touch	2-5-81	1646 EST	Broadwater Co.,MT	1625 Miles
		39.82 MHz	KIB 242	"242"	POLICE
B/M	Touch	2-5-81	1742 EST	W. Yellowstone,MT	1565 Miles
		39.82 MHz	KOA 824	"824"	SHERIFF
B/M	Touch	2-5-81	1744 EST	Flathead Co.,MT	1650 Miles
		39.82 MHz	KOE 271	"271"	POLICE
B/M	Touch	2-5-81	1750 EST	Columbia Falls,MT	1700 Miles
		39.36 MHz	KGT 612	"612"	State PD
B/M	Touch	2-5-81	1756 EST	Litchfield,AZ	1875 Miles
		42.46 MHz	KMO 770/KRB 411	"LA"	State PD
BASE	Touch	2-6-81	1511 EST	CHP-LA Sta.15,CA	2075 Miles
		42.12 MHz	KZJ 917	NO CALL	State PD
BASE	Touch	2-6-81	1516 EST	CHP-El Cajon,CA	2075 Miles
		39.82 MHz	KOE 890	"890"	SHERIFF

B/M	Touch	2-4-81	1802 EST	Jefferson Co.,MT	1600 Miles
		39.82 MHz	KON 47	"KON 47"	SHERIFF
BASE	Touch	2-4-81	1803 EST	Sanders Co.,MT	1700 Miles
		39.82 MHz	KOA 722	"722"	SHERIFF
BASE	Touch	2-4-81	1811 EST	Missoula,Co.,MT	1675 Miles
		39.36 MHz	NO CALL OR ID		SHERIFF
BASE	Touch	2-4-81	1914 EST	LASQ,CA	2100 Miles
		39.82 MHz	KFN 645	"Buhl"	POLICE
B/M	Touch	2-4-81	1805 EST	Buhl,Idaho	1740 Miles
		42.12 MHz	KBO 572	"East LA"	POLICE
BASE	Touch	2-6-81	1528 EST	CHP-Montebello,CA	2100 Miles
		39.18 MHz	KVI 570	"570"	SHERIFF
B/M	Touch	2-6-81	1628 EST	Coconino Co.,State(?)	1775 Miles
		39.56 MHz	KBY 488	"KBY 488"	SHERIFF
BASE	Touch	2-6-81	1651 EST	Greenlee,Co.,AZ	1700 Miles
		39.84 MHz	KZJ 979	"979"	POLICE
B/M	Touch	2-6-81	1658 EST	Cascade,MT	1575 Miles
		39.84 MHz	KOA 216	"216"	SHERIFF
B/M	Touch	2-6-81	1659 EST	Cascade,Co.,MT	1575 Miles
		39.18 MHz	KDB 554	"KDB 554"	State PD
BASE	Touch	2-6-81	1755 EST	McMinnville,Oregon	2065 Miles
		39.18 MHz	NO CLL	"Cochise"	SHERIFF
B/M	Touch	2-7-81	1725 EST	Coshise,Co.,AZ	1725 Miles
		39.18 MHz	KBT 355	"355"	POLICE
B/M	Touch	2-7-81	1744 EST	Parker,AZ	1900 Miles
		39.82 MHz	KDB 304	"KDB 304"	LOCAL GVT.
BASE	Touch	2-7-81	1812 EST	Pullmon,Wash. Transit	1775 Miles
		39.18 MHz	KOA 629	"Gila"	SHERIFF
BASE	Touch	2-8-81	1108 EST	Gila,Co.,AZ	1850 Miles
		39.14 MHz	KLU 217	"KLU 217"	State PD
BASE	Touch	2-8-81	1203 EST	CHP-Tracy,CA.	2100 Miles
		39.82 MHz	KDC 310	"Shoshone"	SHERIFF
B/M	Touch	2-8-81	1216 EST	Shoshone,MT	1750 Miles
		39.18 MHz	KOL 567	"KOL 567"	POLICE
BASE	Touch	2-4-81	1631 EST	Willcox,AZ	1800 Miles
		39.18 MHz	KOA 237	"237"	SHERIFF
BASE	Touch	2-4-81	1634 EST	Apache Co.,AZ	1675 Miles
		39.82 MHz	KOK 64	"KOK 64"	SHERIFF
B/M	Touch	2-4-81	1640 EST	Pandera,Co.,AZ	1600 Miles
		39.82 MHz	KQB 771	"Liberty Co. SO"	SHERIFF
B/M	Touch	2-4-81	1658 EST	Liberty,Co.,MT	1600 Miles
		39.82 MHz	KBQ 393	"393"	POLICE
B/M	Touch	2-4-81	1659 EST	Browning,MT	1625 Miles
		39.82 MHz	KDB 568	"568"	SHERIFF
B/M	Touch	2-4-81	1758 EST	Lake Co.,MT	1675 Miles
		39.82 MHz	KDG 381	"KDG 381"	SHERIFF
B/M	Touch	2-4-81	1149 EST	Madison,Co.,MT	1650 Miles
		39.18 MHz	KEX 317	"Coconino"	SHERIFF
BASE	Touch	2-4-81	1619 EST	Coconino Co.,AZ	1775 Miles
		42.46 MHz	KMF 454	"Sacramento"	State PD
BASE	Touch	2-8-81	1210 EST	CHP-Sacramento,CA	2100 Miles
		39.18 MHz	KUJ 570	"Nogales"	SHERIFF
BASE	Touch	2-8-81	1733 EST	Sante Cruz,Co.,AZ	1840 Miles
		39.82 MHz	KOH 230	"230"	SHERIFF
B/M	Touch	2-9-81	1532 EST	Gem,Co.,Idaho	1825 Miles
		42.08 MHz	KMD 773	"San Fransisco"	State PD
BASE	Touch	2-10-81	1631 EST	CHP-Corte Madera	2165 Miles
		42.08 MHz	KDE 674	"LA"	State PD
BASE	Touch	2-10-81	1636 EST	CHP-Ft. Teton,CA	2100 Miles
		42.50 MHz	KMH 700	"24"	State PD
BASE	Touch	2-10-81	1639 EST	CHP-San Jose,CA.	2155 Miles
		42.50 MHz	KVG 865	"56"	State PD
BASE	Touch	2-10-81	1640 EST	CHP-West Valley,CA.	2100 Miles
		42.56 MHz	KZF 820	"61"	State PD

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San Diego DX's Club

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—Steve H., Dallas, TX

"Your book of unclassified government radio frequencies is great. I brag about it to everyone!"
—James S., Cedar Grove, WV

"It's just so refreshing to know that there are people who are still honest and provide the product they advertise."
—Rich N., Pittsburgh, PA

We are flattered that these and others have taken their time to write to us. Comments like these only increase our desires to present products and services that are a direct result of the suggestions and recommendations of our customers.

Within the next few months we plan to release many new products for use in the communications monitoring field. These will include a two-scanner "Combiner" for use with a single receiving antenna, and a 225-400 MHz Military Aircraft Receiver! and more.

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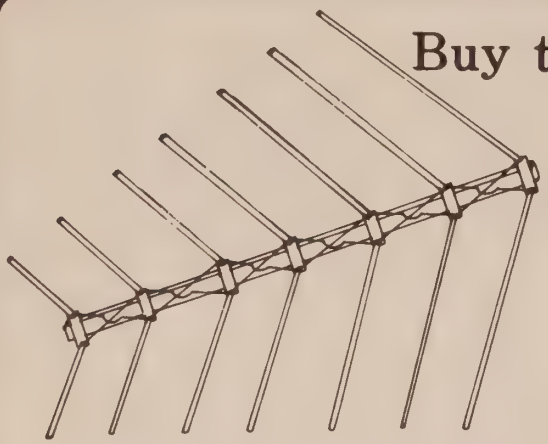
Brasstown, North Carolina



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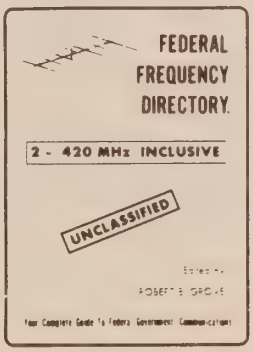

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**All publications are shipped UPS for faster delivery to you. Add the following shipping and handling charges to all orders: One book/cassette, $2.00 - each additional book/cassette same order, $1.00. Send check, money order, or use Visa or Master Card, including all numbers and signature to: Grove Enterprises, Inc., Dept. F, Brasstown, N.C. 28902. North Carolina residents add 4% sales tax.*

GROVE
Brasstown, North Carolina

BASE	Touch	2-10-81	1643 EST	CHP-Sonora,CA.	2100 Miles
		42.56 MHz	KMA 501	"62"	State PD
BASE	Touch	2-10-81	1643 EST	CHP-Stockton,CA	2150 Miles
		42.34 MHz	KMF 454	"KMF 454"	State PD
BASE	Touch	2-10-81	1647 EST	CHP-Sacramento,CA.	2100 Miles
		42.08 MHz	KMH 724	"89"	State PD
BASE	Touch	2-10-81	1652 EST	Lancaster CHP,CA.	2100 Miles
		42.08 MHz	KMC 988	"65"	State PD
BASE	Touch	2-10-81	1655 EST	CHP-Fresno,CA.	2075 Miles
		42.56 MHz	KBO 975	"South L.A."	State PD
BASE	Touch	2-10-81	1520 EST	CHP-Gardena,CA	2100 Miles
		42.56 MHz	KMB 520	"KMB 520"	State PD
BASE	Touch	2-10-81	1525 EST	CHP-San Luis Obispo	2175 Miles
		42.56 MHz	KTQ 250	"KTQ 250"	State PD
BASE	Touch	2-10-81	1603 EST	CHP-Coalinga,CA	2175 Miles
		42.56 MHz	KME 264	"Barstow"	State PD
BASE	Touch	2-11-81	1528 EST	CHP-Barstow,CA.	2000 Miles
		42.56 MHz	KDA 712	"Ukiah"	State PD
BASE	Touch	2-11-81	1556 EST	CHP-Ukiah,CA.	2150 Miles

Absolutely outstanding work,Carl! Next month, we'll have more from Carl. In the meantime...some other contributors, in case you have forgotten what they are like. HOW ABOUT YOU??

FROM EDWARD (NJ-017):		39.60 MHz	NO CALL	"Hunter David"	POLICE
BASE	BC-220	3-1-81	1500 EST	LA,Co. (Malibu)	2794 Miles

(Note: Edward stated that "Hunter-David" called Essex,Co.,Virginia to ask about the weather. Didn't know "shooting" skip was legal on these bands!)

		39.94 MHz	NO CALL	"Industry Desk"	POLICE
BASE	BC-220	3-7-81	1200 EST	LA,Co., CA.	2794 Miles
FROM R.NEWBOULD (PA-027):		39.76 MHz	KYG 736	NO ID	POLICE
BASE	BC-300	2-28-81	1500 EST	Nevada,Co.,CA.	3000 Miles
		33.88 MHz	NO CALL OR ID		SERVICE?
BASE	BC-300	3-2-81	1530 EST	Spanish Speaking (ANY IDEAS?)	
		37.35 MHz	NO CALL OR ID		SERVICIO?
BASE	BC-300	3-2-81	1527 EST	Possibly Telephone?	
		37.14 MHz	KDZ 358	"KDZ 358"	POLICE
BASE	BC-250	3-2-81	1603 EST	Van Nuys,CA.	3000 Miles
		39.14 MHz	NO CALL OR ID		POLICE
BASE	BC-250	2-10-81	1100-2000 EST	LASO	3000 Miles
		151.475 MHz	KGB 773	"Control"	FORESTRY
BASE	BC-250	2-28-81	2215 EST	Maryland State	250 Miles
		154.13 MHz	KCP-610	"KCP-610"	FIRE
RPTR	BC-250	3-18-81	2230 EST	Fort Lee,NJ.	250 Miles
FROM ROGER (CA-LA-235):		39.52 MHz	KQA-872 (or 873)	"Justice Co,SO	
BASE	BC-220	2-28-81	1400 EST	(Dispatcher has southern accent.)	
		39.52 MHz	KD 673 (??)	NO ID	POLICE
BASE	BC-220	2-28-81	1418 EST	(Anyone have an idea? HELP!!)	
		39.52 MHz	NO CALL	"380"	POLICE
BASE	BC-220	2-28-81	1415 EST	(HELP NEED ALSO!)	

(Editor Note: If you have an idea, why not send it on in. Roger thinks it could possibly from the Ohio part of the country. It's not familiar to me. Is it it YOU?)

Well, next month I promise to have lots more of the same fine material that Carl had this time. Can I trust hearing from Y O U as well? A summer slump may be imminant unless I have your input. Remember Es is available very soon! Until June...I'm going to be "37" at my own "25." (You Ohio members know!)

Marketplace

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, and items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to: RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550. Please be sure to include your membership number

EDITOR'S COMMENT: I wish to apologize to all of you who were looking for last month's MARKETPLACE ads and didn't find them. My girlfriend and I were in Phoenix, AZ the last part of March. while there we were involved in an 11-81 (traffic accident-minor injury). Well, I wasn't going to leave there until my girlfriend was released from the hospital, her Trans Am repaired, and the other party's insurance company paid us off. Consequently, that meant missing my April 6th deadline. If this has created any inconvenience for any of you, I apologize. Now that that mishap is behind us, I shall now catch up.

Before proceeding with this month's ads, I wish to remind all of you about the time difference involved in your sending your ad requests to me and when you can expect to see them in print. Today is May 1st for me, but for you it is probably the middle of June. The issue you're reading now is dated July 1981. When you send me your ad requests remember you are not going to see it in the very next issue, but hopefully in the issue that follows that one. We have a deadline schedule that creates this situation. It takes time to paste up and put together all the information that goes into one of these Newsletters. Many of you will send me your requests. The next issue arrives and you wonder if I received your requests because you did not find your ad in that issue. Some of you will write to me asking me what has happened or some of you send me your same request again. I generally write back explaining to you about our deadline schedule. Please remember that when you send in your ad requests, that it is going to take a couple of months before you actually see it in print.

Now the ads.....

FOR SALE/TRADE: Realistic DX-100 4-band SW receiver. $ 80.00. Also, Panasonic RF-2600 Digital AM/FM/SSB 4-band receiver. $ 230.00. Will trade both for mint ELC, Sony ICF-6700W or Panasonic RF-4900. Will ship via U.P.S. Contact: MICHAEL WRIGHT (NY-067), 1414 E. 15th St., Brooklyn, NY 11230 or phone 212-627-7159.

FOR SALE: Realistic DX-160 Communications Receiver. 150 khz thru 30 mhz. In mint condition. Includes owners manual. Asking $ 100.00. Contact: WILLIAM O'CONNELL (NH-???), 3 Elm St., Concord, NH 03301.

FOR SALE: Regency ACTR-106. $ 100.00 w/o crystals. Will sell with crystals for $ 140.00. Crystals for: 146.52 / 146.55 / 146.79 / 146.94 / 155.415 / 154.845 / 155.34 / 154.34 / 37.20. Contact: JEFF WESTON (AR-010), 102 Mt. Tabor St., Hot Springs, AR 71901.

FOR SALE OR TRADE: R-1121 / TRC-87: $ 250.00. R-1715 / TRC-87A: $ 300.00. With 110VAC - 60 hz power supply - 225 - 399.95 mhz in 50 khz steps - synthesized - rack mount - solid state (made by Motorola). I need some 7077 tubes (used in receiver front ends; early 1970's). Contact: MICHAEL P. MURPHY (CA-SD-033), 738 Laguna St., El Cajon, CA 92020 or phone 714-442-7049.

FOR SALE: New Realistic DX-100 4 band AM/SSB SW receiver. 1 yr. warranty, best offer, ship U.P.S. BC SPH/L pocket scan E/C w/metal antenna, best offer. Will consider trading both for E/C BC210 or 220, or Sonar FR-2526. Contact: MICHAEL WRIGHT (NY-067), 1414 E. 15th St., Brooklyn, NY 11230 or phone 212-627-7159.

FOR SALE/TRADE: Crystals (10.7 mhz IF) Sonar/Realistic for the following: 476.3125 / 151.235 / 450.650 / 160.305 / 151.16 / 161.70 / 155.22. For BC905:

151.205/37 / 453.375. Reg. ACTR: 453.650. Realistic P-5: 476.4625. Sonar FR-103: 161.700 / 173.325. Sonar FR-106: 37.260. $ 2.00 each or trade for Regency 301-616 Flight Scan crystals any frequency 118 - 136 mhz. Contact: MICHAEL WRIGHT (NY-067), 1414 E. 15th St., Brooklyn, NY 11230.

FOR SALE: Yaesu-Musen FRG-7 SW Receiver. Like new w/manual. $ 200.00. Contact: W. SCHWEIKERT (NJ-068), 114 Keyport Rd., N. Cape May, NJ 08204 or phone 609-886-8566.

FOR SALE: MFJ-1020 Active Antenna w/manual. $ 45.00. Contact: W. SCHWEIKERT (NJ-068), 114 Keyport Rd., N. Cape May, NJ 08204 or phone 609-886-8566.

FOR SALE: Bearcat BC-300. Mint Condition. $ 330.00. U.P.S. shipping paid. Contact: HARRY McCABE (NC-008), 989 Old Orangeburg Rd.., Lexington, SC 29072.

FOR SALE: Bearcat BC-250. Less than 3 months old, but has the microprocessor that will program out-of-band in the 406-420 mhz range. $ 240.00. U.P.S. shipping paid. Contact: HARRY McCABE (NC-008), 898 Old Orangeburg Rd., Lexington, SC 29072.

FOR SALE: Regency Touch K-500. Purchased 10/80. Warranty card still in box. $ 225.00. U.P.S. shipping paid. Contact: HARRY McCABE (NC-008), 898 Old Orangeburg Rd., Lexington, SC 29072.

FOR SALE: Regency ACT-E-16HLU. Good Condition. $ 100.00. U.P.S. shipping paid. Contact: HARRY McCABE (NC-008), 898 Old Orangeburg Rd., Lexington, SC 29072.

FOR SALE: Midland UHF (450-512 mhz) pocket scanner w/professional walkie talkie rubber antenna. Mint Condition. $ 50.00. U.P.S. shipping paid. Contact: HARRY McCABE (NC-008), 898 Old Orangeburg Rd.., Lexington, SC 29072.

FOR SALE: Bearcat crystals for the following frequencies: 42.72 / 42.78 / 453.05 / 453.20 / 453.50 / 453.70 / 460.45. $ 2.00 each or all 7 for $ 10.00. Contact: HARRY McCABE (NC-008), 898 Old Orangeburg Rd., Lexington, SC 29072.

FOR SALE: Regency type crystals for the following frequencies: 37.10 / 37.94 / 39.10 / 39.18 / 39.50 / 40.84 / 42.06 / 42.56 / 42.58 / 42.62 / 42.64 / 42.66 / 42.72 / 42.74 / 42.76 / 42.78 / 42.84 / 45.08 / 46.02 / 46.58 / 47.50 / 47.58 / 153.11 / 153.95 / 154.115 / 154.83 / 154.92 / 155.01 / 155.13 / 155.265 / 155.37 / 155.505 / 155.52 / 155.61 / 155.73 / 155.745 / 155.79 / 155.895 / 156.09 / 158.82 / 159.03 / 161.70 / 453.05 / 453.10 / 453.30 / 453.40 / 453.45 / 453.50 / 453.60 / 453.70 / 453.90 / 458.40 / 458.90 / 460.05 / 460.10 / 460.20 / 460.40 / 460.80 / 462.20. $ 2.00 each or all 59 for $ 100.00. Contact: HARRY McCABE (NC-008), 898 Old Orangeburg Rd., SC 29072.

WANTED: Schematic or service manual for the Motorola Model L03FNB-1102A tube-type VHF Hi single channel monitor receiver. Service manual is Motorola part number 68-862-450, but Motorola unable to supply. Contact: DAVID CROWLEY (MO-009), 7234 Balson Ave., University City, MO 63130 or phone 314-454-3395 or 314-862-2758.

WANTED: Wish to buy 1 or 2 good cassette recordings with radio communications from the U.S. I am most interested in police, fire, UHF aircraft, military and if possible satellite communications. Contact: ARVE AAKRE (001-NORW), Briggveien 19A, N-4620 Vagsbygd, Norway.

FOR SALE: Realistic DX-300 Communications Receiver. In mint condition w/ original carton & owners manual. 1 year old. $ 300.00 C.O.D. Contact: COMPTON FERRIER (DC-001) at 202-423-8175. NO COLLECT CALLS PLEASE!!!

FOR SALE: SBE Opti-Scan. In good condition w/telescoping antenna, AC & DC cords, 20 programming cards, and complete manuals, schematics and programming book, plus out-of-band programming instructions. $ 200.00 or make offer. Contact: JORGE RODRIGUEZ (FL-034), 1129 Castille Dr.., Coral Gables, FL 33143.

FOR SALE: Regeny crystals for the following frequencies: 33.74 / 39.10 / 41.25 / 44.74 / 44.90 / 47.34 / 47.62 / 146.61 / 146.67 / 146.70 / 146.73 / 147.06 / 148.15 / 148.175 / 151.01 / 151.07 / 151.055 / 151.175 / 151.535 / 152.09 / 152.57 / 153 95 / 154.055 / 154.115 / 154.175 / 154.31 / 154.34 / 154.37 / 154.65 / 154.665 / 154.695 / 154.71 / 154.74 / 154.755 / 154.785 / 154.80 / 154.935 /

155.07 / 155.025 / 155.16 / 155.22 / 155.34 / 155.67 / 158.79 / 158.82 / 158.88 / 158.97 / 159.15 / 162.55 / 118.15 / 119.75 / 119.6 / 119.9 / 120.35 / 121.51 / 122.2 / 122.6 / 123.0 / 123.6 / 124.25 / 125.5 / 126.2 / 127.6 / 127.75 / 128.05 / 128.2 / 128.35 / 133.25 / 134.1 / 134.225 / 134.3 / 134.85. $ 2.50 each or all 72 for $ 150.00. Also will consider trade for a scanner or related items. Contact: T. G. BANKS (ME-005), P. O. Box 3174, Lewiston, ME 04240.

WANTED: Regency M-400 E-2 European or Australian model or information to help obtain one. Contact: GEORGE TUCKER (WI-023), 4734 N. 49, Milwaukee, WI 53218 or phone 414-466-7339 after 10:00 PM CDT.

FOR SALE: Bearcat Weather Alert Receiver. Very good condition. $ 35.00. Contact: BOB SCHWEIKERT (NJ-068), 114 Keyport Rd., N. Cape May, NJ 08204.

FOR SALE: Regency M-100. New condition w/all accessories. $ 185.00. Contact: THOMAS TOPPIN (DE-009), 11 La Salle Ave , New Castle, DE 19720.

FOR SALE: Regency type crystals for the following frequencies: 33.56 / 33.70 / 44.68 / 45.38 / 47.30 / 47.38 / 155.565 / 155.97 / 453.0 / 460.05. $ 2.25 each or all 10 for $ 21.00, shipping included. Contact: DON SHANLY, JR. (CT-003), P. O. Box 147, Farmington, CT 06032.

FOR SALE: Pre-Amps (2) Vanguard Model 202UHF. Tuned to 414.000 mhz. $ 30.00. Contact: TONY LOVING (NJ-005), 393 Grove St., Ridgewood, NJ 07450 or phone 201-325-6801 days or 201-652-5252 evenings & weekends.

FOR SALE: Regency type crystals for the following frequencies: 151.985 / 154.65 / 151.115 / 155.61 / 154.445 / 155.37 / 155.13 / 158.82 / 45.90 / 154.04 / 150.995 / 155.205 / 154.16 / 155.415 / 158.76 / 453.80 / 161.04 / 476.3625 / 154.77 / 453.65 / 155.985 / 470.6625 / 159.21 / 454.10 / 44.78 / 154.43 / 155.85 / 460.50 / 155.55 / 460.075 / 155.46 / 470.8375 / 470.8625 / 44.66 / 453.375 / 470.3125 / 155.535 / 160.47 / 161.40 / 37.38 / 471.0875 / 44.98 / 453.40 / 44.62. Contact: TONY LOVING (NJ-005), 393 Grove St., Ridgewood, NJ 07450 or phone 201-652-5252 after 1830 EDT.

FOR SALE: APR-4Y receiver, 38 - 1000 mhz, with pan set, $ 135.00, this is the newer model of the APR-4. I also have a spare tuning unit for $ 35.00. R390A .5 - 31 mhz, excellent condition, $ 300.00. Contact: FRANK MORELAND (CA-SD-038), 3748 Yosemite, San Diego, CA 92109.

FOR SALE: Regency programmable scanner. The Touch VHF/UHF model ACT-16K with plug in antenna and manual. $ 175.00 will ship. Contact: ALBERT KROUSER (IN-048), 30328 N. Meadowbrook Ln., Elkhart, IN 46514 or phone 219-264-2809.

FOR SALE: Regency scanner, 10 channel crystal type. Model ACT-E10H/L/U. with 2 screw in antennas. $ 100.00 will ship. Contact: ALBERT KROUSER (IN-048), 30328 N. Meadowbrook Ln., Elkhart, IN 46514 or phone 219-264-2809.

FOR SALE: Regency K500. Used, excellent condition, scratched. No DC cord or mounting equipment. No guarantee or warranty, as is no refund. $ 200.00 includes U.S. Mail. Contact: JOHN HENRY HART (PA-019), 3608 Genesee Dr., Philadelphia, PA 19154.

FOR SALE: Bearcat BC-250. Excellent condition. Will receive 406-420 mhz. Asking $ 250.00 U.P.S. shipping paid. Contact: GERRY KERNS (CA-OR-193), 1250 S. Sycamore, Santa Ana, CA 92707 or phone 714-834-1805.

FOR TRADE: Wish to trade a Regency Touch K100 for a Bearcat BC-220 in good condition. My unit has 10 ch. search-manual-antenna (programmable). Contact: SCOTT CARR (AL-015), P. O. Box 1485, Birmingham, AL 35201.

FOR SALE: Realistic Pro-40 scanner. 8 ch., UHF-VHF, compact, runs on 12 volt, excellent for mobile use. Very good condition. $ 35.00. Contact: TOM ADAMS (MI-048), P. O. Box 1165, Midland, MI 48640.

WANTED: Person to sell student a good working Bearcat 250 or 300 on a time monthly pay schedule. $ 50.00 down & $ 25.00 monthly or something similar. Contact: DAVID GLORIUS (FL-058), P. O. Box 452, Silver Springs, FL 32688.

FOR SALE: Crystals. All are for Radio Shack scanners. $ 2.00 each. I am not a dealer. A bag of crystals was given to me by a Radio Shack store that was going out of business. A complete list of all crystals that I have would

be too large to print here. Crystals range from 42.14 mhz on up to 476.987 mhz. Mail me your check and what frequency you need. If I don,t have it, your uncashed check will be returned. Contact: TOM BUCKLEY WB2TRY (NY-171), P. O. Box 3086, Astoria, NY 11103.

FOR SALE: Emergency telephone numbers for the NYC metropolitan area. 12 pages of telephone numbers. Poison Control Center, Police precincts, Coast Guard Rescue Center, Water Emergencies, Traffic Department, and more. Send $ 1.00 and your request. Contact: TOM BUCKLEY WB2TRY (NY-171), P. O. Box 3086, Astoria, NY 11103.

WANTED: Single channel Regency TMR-H. Contact: ROBERT TRIVALOS (WI-026), 906 E. Waterford Ave. # 3, Milwaukee, WI 53207.

FOR SALE: Regency type crystals for the following frequencies: 154.65 / 154.68 / 154.71 / 154.74 / 154.77 / 154.80 / 154.815 / 154.83 / 154.98 / 155.01 / 155.025 / 155.13 / 155.19 / 155.25 / 155.31 / 155.37 / 155.46 / 155.475 / 155.49 / 155.52 / 155.55 / 155.61 / 155.625 / 155.64 / 155.685 / 155.715 / 155.73 / 155.79 / 155.82 / 155.91 / 155.97 / 155.995 / 156.03 / 156.09 / 156.15 / 158.85 / 159.09 / 159.15 / 453.05 / 453.10 / 453.225 / 453.425 / 453.60 / 453.975. 75¢ each/$2.00 for 3/ $5.00 for 9/$10.00 for 20/$20.00 for all. Contact: ROBERT TRIVALOS (WI-026), 906 E. Waterford Ave. # 3, Milwaukee, WI 53207.

FOR SALE: One Modular Systems, Worcester, Mass. Model SIP-1 Speech Inverter. Powered by 9V battery. Seldom used as local PD did away with 'scrambled' calls. Send 36¢ postage stamps for spec sheet. Asking $ 49.95 or will consider a trade for a scanner or related items. Contact: T. G. BANKS (ME-005), P. O. Box 3174, Lewiston, ME 04240.

FOR SALE: Sears Hand-Held Hi (150-170 mhz) scanning monitor, Model #61 3629. 4 channels with Ch. 1 bypass switch. Accessories include case, AC adaptor, cigarette lighter adapter, telescoping antenna, nickel-cadmium battery pack & owners manual. Asking $ 80.00 or will consider trade for a scanner or related items. Contact: T. G. BANKS (ME-005), P.O. Box 3174, Lewiston, ME 04240.

FOR SALE: Bearcat III 8 ch. VHF/UHF scanner w/crystals for 162.55 & 155.865. Will receive with squelch open but will not stop when scanning (lights just blink). $ 10.00 or best offer. Contact: JORGE RODRIGUEZ (FL-034), 1129 Castille Dr., Coral Gables, FL 33143.

FOR SALE: Regency Flight Scan. 9 channel. 6 months old. Includes 14 crystals for March AFB, Palm Springs, Thermal, Big Bear, Hemet/Ryan, and helicopters. $ 100.00. Contact: C. L. CLAUSEN (CA-RI-016) at 714-658-7352.

FOR SALE: Bearcat BC-210. 1¼ years old. Good condition. $ 145.00. Contact: JOHN COSENZA (IL-155), 7501 W. 58th St., Summit, IL 60501.

FOR SALE: Regency Flight Scan. 9 channel crystal aircraft scanner w/7 crystals. $115.00. Contact: JOHN COSENZA (IL-155), 7501 W. 58th St., Summit, IL 60501.

FOR SALE: Regency K-100. In original box & in mint condition. $ 165.00. Will send U.P.S./Insured. Contact: LARRY STINEMAN (IN-037), 26495 CR 6 E., Elkhart, IN 46514 or phone 219-262-3343.

FOR SALE: Tennelec MS-2 Memoryscan. 16 ch. programmable, VHF Hi-Lo/UHF, AC only. Excellent condition w/manual & antenna. $ 115.00. Contact: RICHARD WOLTMANN (NY-128), 164 Asbury Ave., Carle Place, NY 11514 or phone 516-997-4449 evenings.

FOR SALE: Antenna Inc. Monitor Base Station Antenna. 25-512 mhz. Used for 3 months, still like new, and all parts in original box. $ 20.00. Contact: RICHARD WOLTMANN (NY-128), 164 Asbury Ave., Carle Place, NY 11514 or phone 516-997-4449 evenings.

FOR SALE: Bearcat BC-210. Used, but in good condition. Includes telescopic antenna & AC power cord. Sorry, no mobile mounting bracket or manual. $ 70.00. Will ship via U.P.S. Contact: LOUIS CAMPAGNA (PA-024), 9724 Bridle Rd., Philadelphia, PA 19115.

WANTED: Sonar Model FR-2524 8-channel UHF monitor receiver. Contact: ENOS EDWARD GARY (TX-028), 423 E. Locust St., San Antonio, TX 78212.

FOR SALE: Maps of PA radio systems, PA State Police, PA Turnpike, PA Forestry

Service, PA Fish & Game Commission, PA Dept. of Transportation. Each map contains frequency information by specific area. 50¢ per map or $ 2.00 for the set to cover the cost of postage & copying. Contact: R. W. NEWBOULD (PA-027), 5321 Wolfe Dr. # 13, Pittsburgh, PA 15236.

FOR SALE: Krystal Kits "PD" Receiver Scrambler Decoder. Will decode all single inversion modes of scrambled speech. Battery operated w/speaker. Just plug into your receiver. Never used. $ 35.00. Contact: TONY LOVING (NJ-005), 393 Grove St., Ridgewood, NJ 07450 or phone 201-652-5252 evenings & weekends.

FOR SALE: Regency ACTR-106 10-channel crystal controlled scanner. Tuned for 406-420 mhz band & VHF Hi-Lo & 450-470 mhz bands. Super sensitive UHF section. With crystals for all Secret Service & DEA national channels & NYC area FBI link frequencies. $ 150.00 complete. Contact: TONY LOVING (NJ-005), 393 Grove St., Ridgewood, NJ 07450 or phone 201-652-5252 evenings & weekends.

FOR SALE: Bearcat 101 16-channel programmable scanner. In excellent condition, w/original accessories in original carton $ 150.00 includes U.P.S. shipping. Contact: EDWARD KING (NJ-017), 14-31 Chandler Dr., Fair Lawn, NJ 07410.

FOR SALE: Regency K-500 40-channel programmable scanner. 1 yr. old w/original accessories and carton. $ 150.00 includes U.P.S. shipping. Contact: EDWARD KING (NJ-017), 14-31 Chandler Dr., Fair Lawn, NJ 07410.

Railroads

Ken Fitzgerald, Editor

Send information about railroad frequencies and their uses, radio system details, tips for monitoring railroads, explanations of railroad jargon, and related information and questions to: Ken Fitzgerald, 121 East Hackberry, Enid, OK 73701.

Western Regional
Railroad Collectors
Show & Sale

Submitted by Bryan CAOR097 Who indicates this is the only good source for timetables to be used to decode the railroad chit-chat that he has found.

Sponsored By

Railroadiana Collectors Association, Inc.

Sunday, August 2, 1981

9:00 A.M. to 3:00 P.M.

Holiday Inn of Buena Park

7000 Beach Blvd., Buena Park, Calif.

Riverside Freeway (91) and Beach Blvd.

Donation of $1.50 for Adults; 50¢ for under 12

1/2 Mile north of Knott's Berry Farm

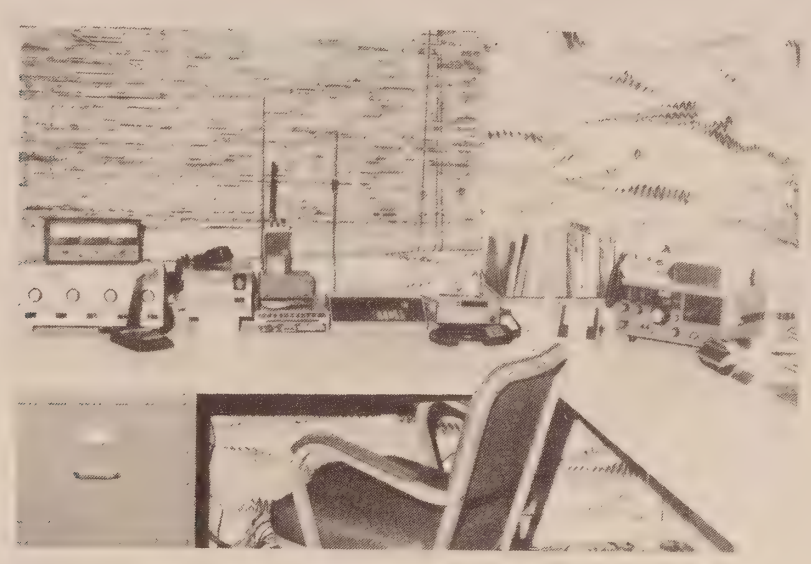
All Types of Railroad Collectables for Sale & Trade

Information Call Paul P. Thompson (213) 286-3884

****

photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest, Photographs must be 3' by 5' inches or larger, black and white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to: Mike Redman, P.O. Box 1177, St. Charles, MO 63301.



Above we see the unique installation of Jorge Rodriguez FL-034. From left are several pieces of citizens band gear. In the center we see an SBE Optiscan. Atop that is a Yaesu FT-2003 used as a hand-held monitor. Then there's the Bearcat 250, and next to it is a 2-meter transceiver. In the corner is a Yaesu FRG-7 for monitoring shortwave. Next to that is a very special tape unit- it will record 5 hours on a c-120 casette. It is connected to the Bearcat 250. All of this gear is located upon what appears to be a custom made formica counter top, which rests upon a couple of 2-drawer filing cabinets. What an inexpensive and efficient station this is- material can be filed in the cabinets. Seems like it would be cheaper than purchasing a desk, and the counter top could be cut to fit most any corner or spot you may have. So, get out that dusty old camera, buy a black and white roll of film, and get those photos in. Not necessarily your station- I'd like more meeting photos, dispatch centers, tower installations, homebrew equipment, etc. Send all of them to the familiar PO box in the preferred 5 x 7 inch size. See you next month!

MONITORING & THE LAW

EDITOR WANTED!

We need a new Monitoring and the Law column editor. This person should have some familiarity with monitoring laws and it would be desireable if he/she had a collection of them from around the nation. This editor would be required to generate some information for the column as well as organize input from the general membership. If you are interested, please TYPE a letter telling about yourself and qualifications to: RCMA Managing Editor, P.O. Box 216, Willow Grove, PA 19090.

Public Safety

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for police, sheriff, fire forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway and street maintenance, port authority/ bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional editors of Public Safety, who are listed below.

PUBLIC SAFETY - CALIFORNIA

Send Public Safety and Special Emergency frequencies, radio system details, and questions for California to: Eric Christensen (CA-LA-045), 3146 W. Ball Road, Apt. 35, Anaheim, CA 92804.

From ERIC (CA-LA-045):

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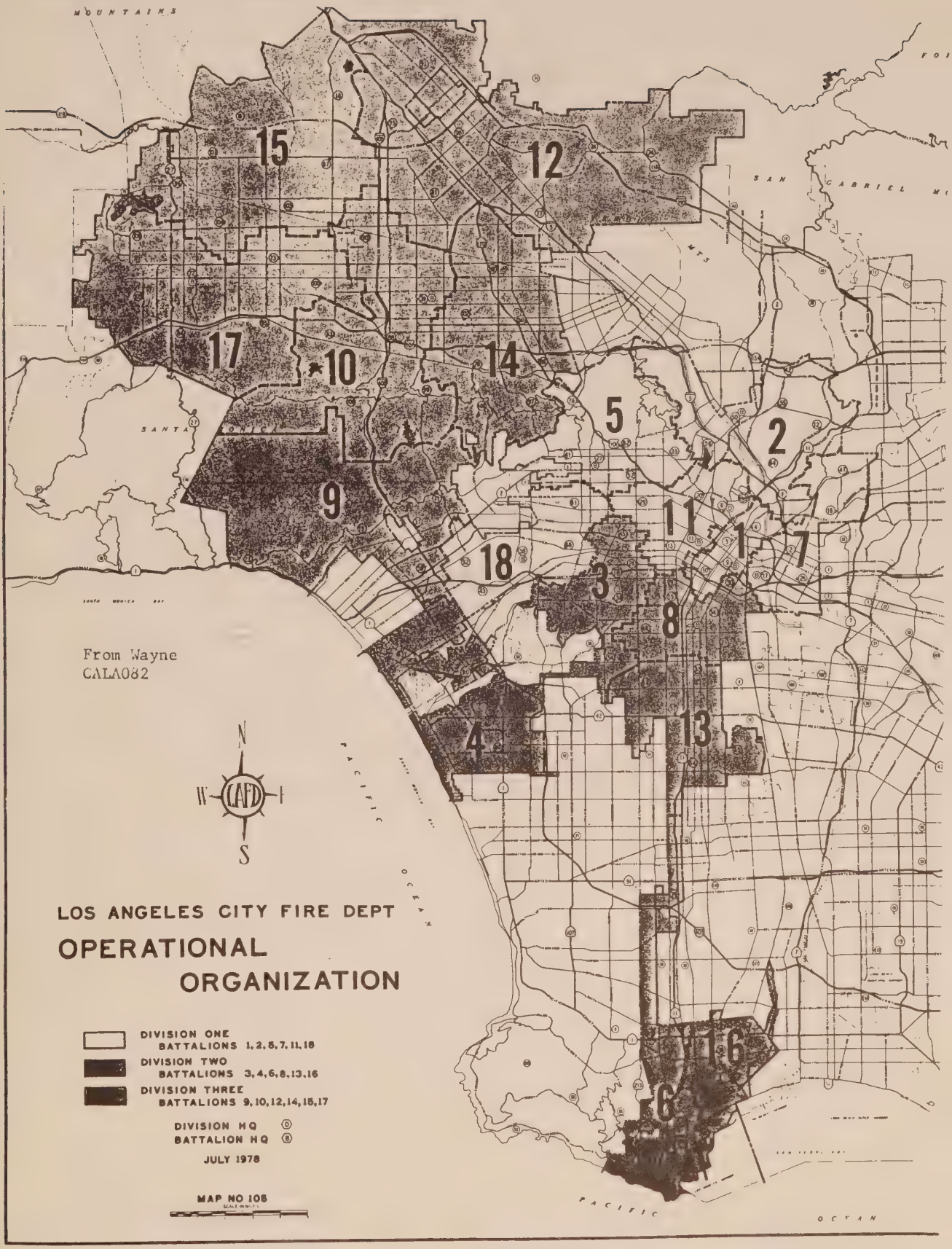
Attention all members & POLICE CALL readers:

Since the printing of the printing of the June 1981 issue of R.C.M.A. Newsletter, the editor of POLICE CALL has completely revised the Southern California 1981 Detail Police Call book! An excellent job done! (There had been a small mix up with their new word processor which caused an entire page to be omitted from publication. (I can relate to that problem & multi headache, just being an editor of R.C.M.A. Newsletter gives you that kind of experience. No fun at all! ERIC (CA-LA-045)

If you are wondering why there are not any frequency lists in this issue, it's only because of little to no member input.

See you next month! 73's, ERIC (CA-LA-045)


From Wayne
CALA082
LOS ANGELES CITY FIRE DEPT
OPERATIONAL
ORGANIZATION
DIVISION ONE
BATTALIONS 1, 2, 5, 7, 11, 18
DIVISION TWO
BATTALIONS 3, 4, 6, 8, 13, 16
DIVISION THREE
BATTALIONS 9, 10, 12, 14, 15, 17
DIVISION HQ
BATTALION HQ
JULY 1978
MAP NO 105
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PACIFIC OCEAN
15
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16
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1981

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- More Local Information
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- Thank You!

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Los Angeles, Calif. 90035

Special Announcement Concerning -

POLICE CALL
(Southern California Edition)
1981

A few misprinted copies were accidentally sold. If your copy does not have the letter "R" printed under "1981," please return it to your dealer for exchange.

G.C.H.

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PUBLISHERS OF: POLICE CALL — FIRE/EMERGENCY RADIO MONITOR HANDBOOK
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PUBLIC SAFETY - CENTRAL

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Alabama, Arkansas, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Tennessee, and Texas to: Mike Redman, P.O. Box 1177, St. Charles, MO 63301

Send material and questions for Illinois, Indiana, and Wisconsin to: John Arendt, 327 Boulder Hill Pass, Oswego, Il 60543.

Greetings! Welcome to another column of the Central United States. Of course the RCMA Midwest Spring Festival is now history, except that we haven't had it yet because I am writing this in April. I am sure it was a success, though, even though it hasn't occurred. A photo story will be forthcoming, again, reflecting the necessary delays inherent in newsletter publication. So, off to the details of this month's column, starting off with:

PS Central Chapter Summary

Chicago Area: In the Chicago Area and surrounding portions of Illinois, Indiana, Wisconsin, Iowa, and Michigan, write to Ed Sirovy, 311 South Williams St., Westmont, IL. 60559.

St. Louis Area: For the St. Louis Metropolitan Area including nearby Missouri and Illinois counties, contact Mike Redman, PO Box 1177, St. Charles, MO. 63301.

Ohio Valley Area: Covering the tri-state area of Illinois, Indiana, and Kentucky, write Dave Nugent, 2542 Birk Ave., Jasper Indiana, 47546.

Minneapolis/St. Paul Area: And the nearby parts of Wisconsin, write Chuck Steir, 2910 E. Franklin Ave., Apt. 1405, Minneapolis, Minnesota, 55406.

New Orleans Area: Including nearby Mississippi. Get a letter off to Tom Monteverde, 6029 Perlita St., New Orleans, LA 70122.

Detroit Area: Drop a line to Larry Smith, 1223 Vinsetta Blvd., Royal Oak, MI. 48067.

Dallas Area: Includes that portion of Texas + Oklahoma, write Larry Van Horn, 1111 N. Carrier Pkwy., Apt. B107, Grand Prarie, Texas 75050

Now if you're sitting there fretting because your area has no local chapter, then get up off your --- and do something about it. Not sure how to go about it? Write Mr. Organizer Himself, Ed Sirovy. Ed will get you all the facts and help you get started. Write to Ed RIGHT NOW at 311 S. Williams St., Westmont Illinois, 60559. There are probably a bunch of other RCMA members right in your area with whom you can share information, ideas, etc. Your monitoring pleasure is sure to increase. Even if you don't live in the PS-Central Listening Area, contact Ed. You'll be glad you did.

MISSOURI

John does such a good job with summarizing Chicago Chapter Meetings, I may as well take a crack at St. Louis Chapter Meetings. These are held on the fourth Sunday of the month at members' homes. So, if you are in St. Louis on the fourth Sunday, give me a call. Our April meeting was held at the St. Louis County Emergency Operations Center, an underground civil defense coordination and communications

White and Deputy Director T. Benson Morgan for use of the most interesting facility. Also thanks to Communications Specialist Michael Redman- oh that's me. Next meeting will be (or has been time you read this) May 24 at the home of Jay (MO-019). June meeting will be held at my residence, on the pool deck. Members are encouraged to bring swimwear. (Newsletter photos anyone?) Date of that meeting is June 28.

TEXAS

Don't Forget, send information or questions for Texas, Oklahoma, Arkansas, Louisiana, and Mississippi to Ken Pehl, 108 E. Centre St., Fredericksburg, Texas, 78624. Let's keep Ken flooded with new material!

Greetings and welcome to this month's edition of this sub-column. There is a lot of information to pass along so let's get right to business.

First off, member Ed Lentz, TX-45, has a proposal for those vacationers needing frequency lists for their destinations within Texas. Ed desires and is seeking reader input for a list of confirmed frequencies and their uses for Texas cities and frequencies used statewide, plus possibly some adjacent state's frequencies. Ed will compile and distribute the list. As I understand Ed's idea, readers submitting any input will be given a copy of the compiled list. Although this notice may possibly belong to the contact/info column, I felt it would be of special interest to this column's readers. Also since the lag time from typing this to the time this reaches your eyes is already so long this might well be the quickest means of spreading the word. It would be best to contact Ed as soon as possible as this year's vacation time will almost be over by the time this is in print but maybe something can still be salvaged for some of you. For further information you may contact Ed at the following address: Ed Lentz, TX-45, 1211 Vince, Pasadena, TX 77506. So send your confirmed listings to Ed so together with other lists the whole state can be well represented! It's up to you!

Next I wish to complete the description of Houston area systems begun last month. Again I wish to express my thanks to Ed, TX-45 for his help in preparing this description of the HPD and HFD.

The Houston Fire Dept operates the Houston ambulance/EMS system. I am not totally sure but I believe the ambulances are called "telecare units". Perhaps someone familiar with the system might care to correct me on this name. As reported last month, the ambulances are dispatched on HFD ch 6--460.525. HFD ch 7--460.550 is used as a back up secondary dispatch frequency. Closely allied with the ambulance operation is Ben Taub Hospital. Ben Taub Hospital is the main ambulance "traffic controller" in the Houston area. Ben Taub maintains a trauma treatment center and therefore receives the serious cases. So that communications between ambulances and Ben Taub can be established, Ben Taub is equipped to operate on various frequencies and also is equipped to receive the UHF MED frequencies for telemetry. Ben Taub is equipped to operate on HFD ch 7, HFD ch 6, 453.500 and the Houston Area Hospital Emergency Radio Network (HAHERN) frequency--155.340. 453.500 is the frequency used for voice command instructions for on-scene patient care from Ben Taub Emergency Room to the EMS attendants. Unfortunately, as of this writing, it is unknown which frequency is used for voice talk back from ambulance attendant to Ben Taub. Can anyone shed some light on where the voice talk back frequency is located? It would be greatly appreciated by this editor and by other Houston area members. Actual on the air monitoring to find this frequency has lead to a dead end. The UHF MED frequencies (MED 1--8, 468.000---468.175) are used by the ambulances for telemetry only transmissions, as far as can be determined. When HFD dispatches an ambulance to a scene, Ben Taub assigns a telemetry channel to that unit. Any necessary telemetry is sent from the ambulance to Ben Taub on that assigned frequency for that run. It might be expected to find the mysterious

missing frequency on either 458.500 or on the HFD ambulance channels but that is not the case from what can be determined so far. To clarify one point that may not have been evident earlier, 453.500 is not a repeater. So again, if you know anything that can be of assistance in locating this mystery channel, please send in your valuable piece of information!

The HFD ambulances reportedly are also equipped with vehicular repeaters. What this means is that there is a repeater mounted within the ambulance. The repeater will most probably be used in conjunction with the low power medical frequencies, 458.025, 458.075, 458.125, and 458.175 as inputs and will most likely use the 468.xxx UHF MED frequencies as outputs. The overall effect is the same from the monitoring viewpoint. Some people call this system an 'extender', as it in effect extends small hand held units to full mobile power units. For those of you out there thinking that the missing voice channel is on one of these low power medical frequencies, you may be right but it still has not been determined by actual on the air monitoring. If you know for sure, let us know here so that all may share in the information.

Ben Taub also is the main "dispatcher" for HAHERN--155.340. All area ambulance services transporting to one of the Houston area hospitals will first contact HAHERN dispatcher for clearance through the city and for notifying the receiving hospital of their future arrival as well as giving the patient's condition. The HAHERN system uses an encoding system that is best described as a high pitched pulsed tone. When an ambulance other than Houston HFD ambulance wishes to notify a hospital of their future arrival, they contact HAHERN dispatcher (Ben Taub) who in turn encodes the appropriate code for that hospital in order to activate that hospital's HAHERN receiver. Communication then procedes normally. In the event that Houston FD ambulance needs to transport to a hospital other than Ben Taub, Ben Taub still arranges notification but apparently uses land line to arrange necessary notification, not HAHERN. In the event of a major emergency, Ben Taub can place all hospitals in the area on alert by way of HAHERN.

A related emergency medical care system in the Houston area that is interesting to monitor is the Hermann Hospital "Life Flight" program. Hermann Hospital is a private, non-profit hospital located in the Texas Medical Center. The Life Flight program consists of three medivac type helicopters and one long range jet for airlifting patients to Hermann Hospital. Airlifting of patients with critical illnesses or injuries in this program began in 1976 with one helicopter. The helicopters service a 130 mile radius of Houston, while the jet is usually activated for longer range distances, up to 1500 miles if necessary. Life Flight helicopters will generally respond only upon request of a law enforcement agency, hospital, or ambulance service. Any physician, hospital, or private individual may request the use of the fixed wing aircraft. Incidently, fees for the use of Life Flight fixed wing aircraft is $100 take-off fee; $1.35/mile; and a $35/hour charge for a registered nurse. A physician's fee is separately billed, if one is provided along during the flight. For those interested, the fixed wing jet is a Merlin II-A turbo jet. Life Flight operations are dispatched on 462.975 and is also used during flight. The entire fleet of aircraft are also equipped for operations on 155.340--the HAHERN ch as well as the universal EMS ch across the state (and nation for that matter), the law enforcement statewide mutual aid frequencies called inter-city of 155.370/154.950 (see previous articles for further information), and HFD ch 7, for co-ordination with HFD ambulance when on a mission for HFD. Naturally being aircraft, these flights are also under the guidance of FAA air traffic controllers and therefore have an aircraft band transceiver. Within the scope of the aircraft band--Hermann Hospital's helipad has a UNICOM frequency 123.050 (AM). Thanks to a relatively new member, Roger TX-87 for that UNICOM frequency.

While still on the subject of medivac type systems one should not leave out the military's program called MAST--Military Assistance to Safety & Traffic. The MAST program is the utilization of the military's helicopters and paramedical personnel to respond to civilian medical emergencies for the practice and training such situations provide. MAST is staffed by military air ambulance

units and service an area within 100 nautical miles of their installation base, expanding to 150 nm under special circumstances. Each aircraft is manned by a four man crew and can carry up to three litter patients and four ambulatory patients. Missions can be the airlifting of a patient directly from the scene of an accident or can be the inter-hospital transfer of a patient. Inter-hospital transfers can also be the transportation of blood, vital organs, and special medical equipment. Requests for a MAST helicopter can be made only by a doctor, hospital administrator, law enforcement officer, or local fire dept or ems agency. MAST does not compete with commercial firms for the transportation of patients. At one time MAST units were located at every major Army installation in the U.S. and at five Air Force installations in the U.S. Within Texas, there were MAST companies located in San Antonio, El Paso, Houston, and Kileen. As very little has been heard of the MAST program in the last few years, the MAST program could have been cut back by other needs within the military. Does anyone have any information on the current status of the MAST companies in the U.S., especially within Texas?

Monitoring MAST activity within Texas is a bit difficult to describe now since the MAST choppers used to use the same frequency as the TX DPS base stations when the DPS was still on low band. Ever since DPS changed over to the high band system, the MAST units have not been heard on the air co-ordinating with the law enforcement units on the ground. At least this is the case with the San Antonio area MAST company. Do other Texas area MAST units have the same level of non-activity with law enforcement officers? Reportedly the 507th Air Ambulance Co. at Fort Sam Houston (San Antonio) conducts MAST operations/dispatching on 30.50 MHz (wide FM). Unfortunately this editor's equipment does not program that low in order to verify this frequency and its current status. Can someone help out? Other MAST units presumably also have their own operations frequency. Can someone help out on those? Listening in on various local govt budget sessions has given hints to a possible future AACOG (an area planning agency) grant to purchase some communications gear for use by MAST choppers to communicate with hospitals directly. It is this editor's opinion that such radio gear will have some if not all the following frequencies in the ch switch: 155.340, 154.950, 155.370, 155.460 and maybe even 154.680. To those unfamiliar with these frequencies, refer to earlier articles in the newsletter on the DPS and statewide law enforcement inter-city systems. The first frequency is the statewide ems frequency, the next two are the Texas inter-city frequencies and the last two are the Texas DPS frequencies. Keep your eyes and ears pealed for MAST/law enforcement/hospital co-ordinating traffic and report activity to this column. Your fellow readers will be most anxiously awaiting!

Now to summarize systems thus far:

HOUSTON AMBULANCE
(operated by Houston Fire Dept)

ch 6	460.525	Dispatch
ch 7	460.550	Ambulance backup
	453.500	Ben Taub E. R. to Ambulance attendents (voice)
	?????	Attendents to Ben Taub E.R. (see text)
468.000-468.175		UHF MED telemetry
458.025/.075/ .125/.175		Low power hand helds to vehicular repeaters (468.xxx out)

155.340 HAHAERN (Houston Area Hospital Emergency Radio Net)
Ambulance numbering scheme was given in detail in last month's column.

LIFE FLIGHT HELICOPTERS
(operated by Hermann Hospital)

462.975	Life Flight Dispatch and Operations
155.340	HAHERN
154.950	State inter-city mobile (air/ground co-ordination)
465.550	HFD ch 7 input (for co-ordination with HFD ambulance)
(AM) 123.050	Hermann Hosp. Helipad UNICOM

MAST OPERATIONS
(within Texas)

30.500 (unconfirmed) MAST Operations, 507th Air Ambulance Co., Ft Sam Houston (San Antonio)
155.370/154.950) probable frequencies to be used in future by MAST for
155.460/154.680) air/ground co-ordination when and if money grants are
155.340) furnished by various planning agencies or military.

From a relatively new member comes these exciting pieces of information: From ROGER, TX-87 ----

HOUSTON

PD	155.130	B/M	City Marshals
PD	(AM)122.750	a/a	HPD's helicopter to helicopter
PD	153.800	B/M	Hobby Airport Police
PD	154.755	B/M	Intercontinental Airport Police
PD	488.6375	R	" " " (also licensed simplex)
LG	158.760	B/M	city Houston dogcatcher and also air pollution team

HARRIS COUNTY SHERIFF OFFICE (HOUSTON)

ch 1	154.890	R	South & East Patrol Dispatch
ch 2	153.920	R	North & West Patrol Dispatch
ch 3	154.950	M	state inter-city mobile (see Oct 80 issue for more details)
ch 4	155.370	B	state inter-city base
ch 5	153.995	R	Detectives & Medical Examiners
ch 6	155.070	B/M	Supervisors

channel numbers are from the vehicles' point of view. (ed note: my notebook showed these frequencies but no area of coverage indicated. Thanks for sharing those details, Roger. Also my notebook shows 155.265 for civil defense.)

other Harris Co. Freqs:

156.015 B/M Harris Co. Constable's Office, Pct 5
153.740 R Harris Co. District Attorney's Office (155.985 input)

Again many thanks for sharing this with us, Roger! This is what we like to see!

Larry, ex-TN-14, has sent a letter that was forwarded to this editor with information on the San Antonio Police Dept. According to Larry, SAPD underwent a wholesale change in district assignments, boundaries and some minor frequency changes. From Larry, ex-TN-14:

SAN ANTONIO POLICE DEPT

ch 1	460.025	R	South & Southeast Patrol Dispatch (Dist. 4 & 5)
ch 2	460.075	R	West & Northwest " " (Dist. 7,8, & 9)
ch 3	460.125	R	Downtown " " (Dist. 1 & 6)
ch 4	460.175	R	North, Northeast, & East " " (Dist. 2,3, & 11)
ch 5	460.250	R	Information (computer, checks, etc.)
ch 6	460.300	R	Traffic
ch 7	460.425	R	Task Force
ch 8	460.475	R	Car to Car

partial numbering scheme: x-0's=District Sgts (x=being the district number)
x-1's thru x-9's are regular patrol units (x=dist. #)
x-30's are uniform Detective Investigators

Thanks ever so much for that information, Larry. We'll be looking forward to more updates from you in the future.

Well that's about all the room this column is allowed for a month. Hopefully some information will start to trickle in from the adjacent states so that members in other states won't feel slighted or overwhelmed by the Texas material. I promise to balance all the state inputs as best as I can under the circumstances. Again I wish to remind you that I am new to the writing and editing game, so please bear with me as I learn.

A final parting word, the new 1981 edition of POLICE CALL is now out. I just received my copy a few days ago. I have not had a chance to delve into it very deeply but for those of you in Texas, Vol. 7 has a lot of new listings that you may want to check into very carefully. I would appreciate it if some

of you in Houston, Waco, Austin, Dallas, Ft Worth, and San Antonio would help monitor some of the newer state listings and report your findings. I think it may prove to be very interesting. See you next month!

ILLINOIS, INDIANA, WISCONSIN, MICHIGAN

Greetings to all RCMA members plus their families and friends. Summer is in full swing now. July is traditionally the vacation month in this part of the country. (Large and small industrial and manufacturing concerns generally shut down for two weeks - or more, depending upon business conditions.) Don't forget about that grand American holiday - July 4th. The radio waves tend to get extremely busy on this date. (Radio traffic is usually only matched in intensity on Halloween night and New Year's Eve.) A hint to those of you that have those hand-held units; make plans to take them along on your day's activities - especially in the evening hours when all those "illegal fireworks" complaints fill the airwaves! (Leave the fireworks displays to the professionals). Enjoy your vacations plus the warm summer weather and have a safe and sane July 4th.

Now-time to move on to the business at hand and open up the "mailbag".

CHICAGO AREA RCMA CHAPTER NEWS The April 11th regular meeting was called to order with a round table introduction of approximately 31 members and guests from IL and WI. The following agenda items were discussed:

1. My report on upcoming columns for June and July.
2. Jeff McKnight's report on the Chicago FD-and the changeover to 800MHZ. Comments from the floor revealed the following frequencies to be coming into use
   - Dispatch - North 851.9125 rptr. out (806.9125 in)
   - Dispatch - South 851.9375 rptr out (806.9375 in)
   - "Printer Dispatch" 852.9125 rptr out (807.9125 in)
   - Vehicles - South 852.8625 rptr out (807.8625 in)
   - Vehicles - North 852.9375 rptr out (807.9375 in)
3. Mike Yanul reported that complete results of his membership will be sent out in his next "local newsletter".
4. Joe Vinci reported on a membership attendance survey and a "membership communication scheme."
5. There was a short round table discussion.
6. The meeting was then turned over to our special guest, Mike Scholl from Consumer Electronics Marketing and Sales - the Bearcat factory rep. for Northen IL and Eastern WI. Mike was literally "bombarded" with some very interesting questions. As his presentation was marketing and sales oriented, most of the technical questions could not be answered. We were encouraged to make contect with the factory marketing manager-Sam Martin-as most of the "decisions" of what type radios Bearcat would build come out of the marketing group. (NOTE: This applies to all RCMA members. Let the people at Bearcat know what you want in a radio!)

IL DEPT. OF CONSERVATION Per Chuck (IL-141), the regular 31MHZ freqs. (31.86-regular operations and 31.98-fire control) are augmented by VHF high-band rptr. systems in the southern part of the state. State forest fire fighters have been found on 151.445 rptr. out (159.375 in). Another rptr. output can be found on 159.42 (input unknown). EDITORS NOTE: Other high-band freqs. available for use include 151.250, 151.280, and 159.300. Chuck has also noted cross-band traffic between 151.445 and 31.98. Cross-channel traffic has been observed between 31.86 and 31.98. Conservation "bases" transmit to conservation police ("F-Frank cars) on 31.86 with mobiles replying on 42.76.

WILL COUNTY, IL S.D. NEWS Ron (IL-009) reports that an additional 39MHZ freq. has been allocated for use. Activity is now found on 39.22. Previously announced plans to switch communications to the high band have been dropped.

WILLIAMSON COUNTY, IL S.D. PAGING OPERATIONS can be found on 158.100. The freq. is shared with other "services". Per Chuck (IL-141).

CHICAGO, IL F.D. HELICOPTER "FREAK FREQ." Rob (IL-036) reports reception on the marine Channel 16 "Distress & Calling" freq. of 156.800 while Lake Michigan search activities were being conducted in conjunction with the Coast Guard. While 156.800 was in use, no communications were able to be conducted with other Chicago F.D. units on the regular VHF-high-band freqs. in the 153 & 154 MHZ bands. (It sounds like a multi-channel high band radio is utilized for this function-no priority or scan features available.)

INDIANA STATE POLICE NEWS Following up my May column, Mark (IN-014) reports that Dist. 13-Lowell has moved their dispatching operations to 42.42MHZ-putting them in compliance with the statewide freq. plan. (I've confirmed the presence of Lowell on 42.42, but with reduced power-probably to reduce the possibility of interference to other dists.) Mark also advises that units having the "X" prefex are "headquarters units", while units having the "96" prefix are special units.

INDIANA DEPT. OF CORRECTIONS locations can be found on the 155.580 freq. per Mark IN-014). There are several local govt. freqs. that also coincide with the various corrections facility locations operating on 155.580.

INDIANA DEPT. OF CIVIL DEFENSE tests are conducted at 1000 hours local time every Wednesday on the statewide 155.025 freq., per latest info received and passed on by Mark (IN-014). The State Emergency Operations Center at Indianapolis has the assigned call letters KDP803. At least 52 counties are licensed to pperate on the statewide 155.025 freq. as of Jan. 5, 1981. Some of those counties not appearing in the Police Call directory (or in error) include: Blackford-KXW344 (shown under "IN State of"), Daviess-KJV376, DeKalb-KBL753, Elkhart-KFR609, Harrison-WQA831, Hendircks-WQK277, Lagrange-KUN547, Marion-KSI722 (shown under "Indianapolis City of"), Newton-KQZ573, St. Joseph-KXE634, Scott-KRD856, and Wabash-WQI971. The "County" numbering system applying to many law enforcement angencies (Examples: 2=Allen, 91 White) from A to Z in ascending numerical order also applies to the civil defense. State Dept. of Civil Defense mubile units are all numbered in the 99-600 series.

MARION COUNTY, IN S.D. NEWS An anonymous contributor has provided some revised info on the freq. plan in effect. The numbering system is as follows:

"F1" 155.610 rptr out (155.850 in) North cars
"F2" 155.610 simplex Car-Car North
"F3" 154.740 rptr out (154.950 in) South cars
"F4" 154.740 simplex Car-Car South
"F5" 155.010 rptr out (154.710 in) Data freq.
"F6" believed to 155.475-ILEEN. The county has 2 zones-a "North" and "South". Apparently "North" cars have only the north freqs. and "South" cars have only the south freqs. Any operations that occur between the the "North" and "South" zones are handled on "F5". Each officer is assigned a badge number and that serves as the car number and the unit number. Should any of our "listeners" have further info on Marion County (and other pla ces in the "Indy" area), please send it in.

ALLEN COUNTY, IN S.D. Jail operations are found on 154.860 with call sign KEN897. (Per Mark IN-014).

MIAMI COUNTY, IN EMERGENCY MEDICAL SERVICES Operates out of Duke's Memorial Hospital in Peru. Base radio setup-
F1 154.540 KTY 275 Local Dispatch
F2 155.340 KUG729 Statewide I.H.E.R.N.
Mobile radios also have the statewide sheriff's freqs. of 154.890 and 155.130. Per Mark (IN-014)

WABASH COUNTY, IN CIVIL DEFENSE radio system is now in operation per Mark (IN-014). Base radio setup: (Identifies as "Station 85")
F1 155.025 WQI971 Statewide
F2 155.805 WQI971 Local Operations & Alerts
Mobile radio setup:
F1 154.890 TX/155.130RX Statewide sheriff's radio
F2 155.130 TX/RX Statewide sher iff's car-car
F3 155.805 TX/RX Local operations
F4 154.310 TX/RX Countywide fire operations. Mobile unit designators are in the 85-600 series, 85-700 is the mobile command post, and 85-1000 on any freq. is the on-the scene commander at any major incident (could be the sheriff, police chief, fire chief, civil defense director, or other public official).

WARSAW, IN FIRE DEPT. Per Mark (IN-014). Operations are conducted on 153.890 (city dispatch & operations), 154.340 (rural dispatch), and 154.280 (mutual aid). Call letters KS3200 are assigned for mobile use, while fire station #1 (dispatch) ID's are KSF543 and fire station #2 ID's as KTL445

HUNTINGDON COUNTY, IN FIRE DEPT. NEWS The Sheriff's Dept. now has base station WQM647 on the countywide freq. of 154.430. Not only are rural fire depts. dispatched on this freq., but paging operations are also found. Per Mark (IN-014).

LOGANSPORT, IN FIRE DEPT. New base station WQU314 is now in operation on 154.190, per Mark (IN-014).

Craig (MI-063) earns the distinction of being the first official MI contributor to my expanded column. He's passed on a very comprehensive freq. list which I'll entitle GRAND RAPIDS, MI AREA FREQ.

GRAND RAPIDS POLICE DEPT. call sign KQB234

155.655 rptr (154.770 in)	F1 - South End Units
154.860 simplex	F2 - File Checks
155.790 rptr (154.950 in)	F3 - North End Units
155.070 simplex	F4 - Countywide Emergency
155.865 simplex	F5 MEPS (Statewide Emerg.)
155.340 simplex	F6 - HEAR (Hopsital Emerg. Admin. Radio
154.830 simplex	F9 - Supervisors
154.740 simplex	Vice Squad

GRAND RAPIDS FIRE DEPT. call sign KQC 754

154.130 rptr (153.950 in)	F1
154.130 simplex	F2
154.370 simplex	Area Fire

GRAND RAPIDS "GOVERNMENT"

151.220 simplex	KZZ527 Parks
151.130 simplex	KDU442 Road Comm.
153.425 simplex	Water Works & Street Lighting
453.325 base (458.325 mob)	Local Government KTE749

WYOMING, MI FREQS.

155.520 rptr (156.030 in)	F1 - (Also Kentwood & Grandville)
156.21 simplex	F2 - File clerks
155.070 simplex	F3 - Countywide Emergency
158.760 simplex	F4 - Public Works, Road Comm.

KENTWOOD, MI

155.040 simplex	F3 - Police Base

GRANDVILLE, MI

155.835 simplex	F2 - Police Base

E. GRAND RAPIDS, MI. FREQS.

154.800 simplex	Police
158.940 simplex/154.130 simplex	Fire

KENT COUNTY, MI FREQS.

156.135 simplex	Road Comm. KUA768
453.225 rptr (458.225 in)	Airport Auth. KVJ450
155.010 rptr (154.890 in)	F1 - Sheriff KQG608
155.010 simplex	F2 - Sherriff KQG608
155.070 simplex	F3 - Countywide Emerg. KXT986
155.865 simplex	F4 - MEPS (Statewide Emerg.)
155.100 simplex	"Walker" Units KQG608
39.140 simplex	"Marine" Units KQG608
154.070 simplex	Fire-Civil Defense
155.625 simplex	CD mobiles

Thanks are in order for this insight to the "radio freq. spectrum" in the Grand Rapids area. (Craig advises that more info will be forthcoming.)

With that, it's time to bring this portion of "Public Service - Central" to a close. See you next month!

Happy Monitoring!

PUBLIC SAFETY - EAST

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Connecticut, Delaware, District of Columbia, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia, and West Virginia to : Richard Barnett, P.O. Box 428. Newton Highlands, MA 02161.

Greetings once again! This month we'll have some very interesting items from the state of New York. I hate the Yankees, as any good Bostonian would, but I've got to compliment our New York members as they've been sending in some great reports. Please keep it up! I'll also try to add some information on Connecticut, which appears in my new Massachusetts frequency guide, that a good friend, Keith Victor, helped me to write up.

NEW YORK

from many different members:

New York City Police Department Radio & Incident Code:

Instruction:
10-01 Call your command
10-02 Report to your command
10-03 Call Dispatcher
10-04 Acknowledgement
10-05 Repeat Message
10-06 Stand by
10-07 Verify Address
10-08 -
10-09 -

Possible Crimes:
10-10 Investigate (prowler, vehicle, shote fired alarm, etc.)
10-11 Bank or Hold-up alarm
10-12 Pick-up Case
10-13 ASSIST POLICE OFFICER
10-14 -
10-15 (License No.) Verify if vehicle is stolen
10-16 Vehicle is stolen
10-17 Vehicle is not stolen
10-18 -
10-19 Other Possible Crime

Crimes in the Past:
10-20 Robbery
10-21 Burglary
10-22 Larceny -specify
10-23 Explosive Report
10-24 Assault
10-25 -
10-26 -
10-27 -
10-28 -
10-29 Other Crime in past

Crimes in Progress:
10-30 Robbery
10-31 Burglary
10-32 Larceny -specify type
10-33 Explosive Report
10-34 Assault
10-35 -
10-36 -
10-37 -
10-38 -
10-39 Other Crime in progress

Rapid Mobilization:
10-40 -
10-41 3 Sgt. & 15 Patrolmen
10-42 3 Sgt. & 15 Patrolmen
10-43 3 Sgt. & 15 Patrolmen
10-44 3 Sgt. & 15 Patrolmen
10-45 4 Sgt. & 20 Patrolmen
10-46 8 Sgt. & 40 Patrolmen & 1 Lt. if designated
10-47 8 Sgt. & 40 Patrolmen & 1 Lt. if designated
10-48 Supplementary Signal- 1 Sgt. & 5 Ptl. from each pct. specified

Non-Crime Incident:
10-50 Disorderly Persons
10-51 Roving Band
10-52 Noise or Dispute
10-53 Street Accident
10-54 Ambulance Case
10-55 R.M.P. not needed w/amb
10-56 Ambulance may be needed
10-57 Ambulance -2nd Call
10-58 Assist Ambulance

City Police Radio Signals:

10-59 Alarm of Fire
10-60 Precinct Assignment (available)
10-61 Precinct Assignment (not available)
10-62 Out of Service
10-63 On Assignment (not available)
10-64 -
10-65 Utility Trouble (specify)
10-66 Unusual Incident (specify airplane crash, building collapse, etc.)
10-67 Traffic or Parking Condition
10-68 See Complainant
10-69 Other Non-Crime Incident

Mobilization:
10-70 PHASE #1 -Car-
1-Lieutenant
3-Sergeants
56-Patrolmen
12-R.M.P.
10-70 PHASE #2 -bus-
1-6 T.P.F. Units
Each Unit
1-Bus
2-4-R.M.P.'s
35-Patrolmen

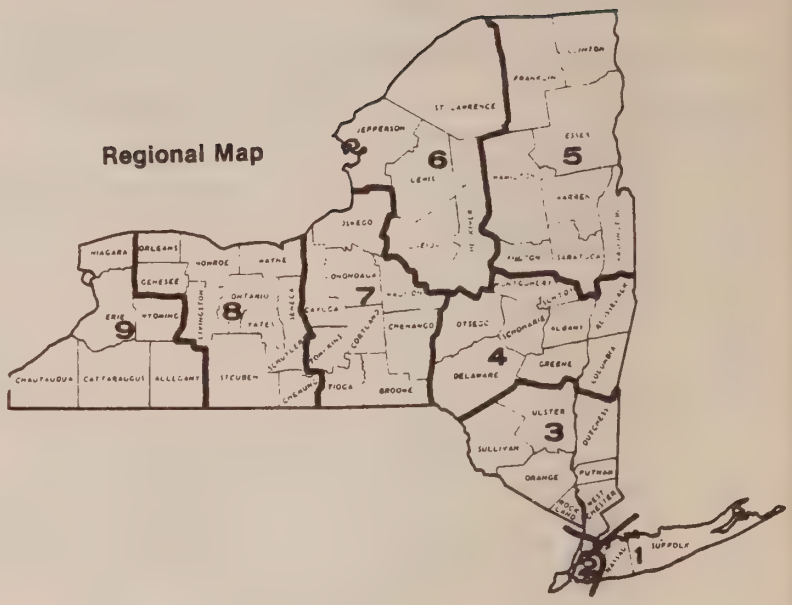
10-71 through 10-79: Blank

Interim Assignment Status:
10-80 Referred To Detectives or other unit
10-81 Person(s) to Station House (specify)
10-82 Aided to Hospital (name of hospital)
10-83 Death on Arrival (natural/other)
10-84 Fire Report (type of structure, location)
10-85 Need Additional Unit (specify reason)
10-86 Female (time in and out of vehicle)
10-87 Cancel (speciry uneeded service)
10-88 Arrived at Scene
10-89 Other Assignment Status

Final Dispositions (available):
10-90 Unfounded
10-91 Condition Corrected
10-92 Summons Issued or Served
10-93 Unnecessary Call
10-94 False Alarm
10-95 Referred to Court
10-96 Gone on Arrival
10-97 Handled by Man on Post
10-98 Resuming Patrol/ Available
10-99 Other Final Disposition (specify)

There are about 190 of these officers statewide as well as about 20 lieutenants and 9 or ten captains. They are assigned to one of 9 regions statewide. The regions shown on the enclosed map are for the system. Each region has a headquarters office and several have sub offices. In our part of New York each individual officer works out of what is called his headquarters, which is his home.

Each officer is assigned a patrol car which is radio equipped. The State wide EnCon Law Enforcement frequency is 159.225. This is a repeater output frequency. They have several repeater sites around New York State and from what I am told they have statewide repeater Coverage. All cars and repeaters are PL and access is through a tone burst which brings up a particular repeater site. Each of the regional offices are linked into the net and most of the traffic one hears is a car talking to one or another office Nathan, FL-021 has published 172.225 as the repeater input, however I can't confirm this. Each car can also operate simplex on 159.225 for car to car communications. Several State Police Stations also have EnCon radio consoles so that the cars can obtain motor vehicle data and can have emergency communication at night and on weekends when the EnCon offices are not manned.



Hope that covers the EnCon Law Enforcement picture for you. If there are any questions, let me know and I'll try and come up with the answers. I will try and work up what I have for New York State Police regarding their unit numbering system and get it to you. I have monitored the NYSP in several parts of the state and they all seem to use the same general setup.

You might point out in your column that it is illegal to have a scanner which is "capable of receiving" police radio transmissions in your car in New York State. The law does not seem to be very well enforced, but they might use it against someone who was stopped for some other violation. I wish the ACLU would take an interest in this law and take it to court, but till then beware!

Westchester County Fire Radio Ten Codes:

46.260 Primary / 46.140 Mutual Aid

10-01 Call Your Quarters
10-02 Return to Quarters
10-03 Test Alerting System
10-04 Acknowledgement
10-05 Repeat Your Message
10-06 Stand-by
10-07 Verify Address
10-08 In Service by Radio
10-09 Location
10-10 Emergency -Clear the Air
10-11 Request Radio Test
10-12 Ambulance Call
10-13 To Cover Fire Dept. (Give Location)
10-14 To Locate at Scene (Give Location)
10-15 Dipatcher (#) Report to Fire Center
10-16 False Alarm
10-20 Proceed with Caution
10-21 Multiple Dwelling
10-22 House Fire
10-23 Additional Equipment Needed
10-24 Car Fire
10-25 Grass Fire
10-26 Emergency other than Fire
(A)-Wash Down/ (B) Drowning/ (C) Rsscttr.
10-27 Police to Scene
10-28 Smoke Investigation
10-29 Report Progress
10-30 Emergency Over

New York City Fire Department Radio Codes Signals:

Instructions:

10-01 Call Your Quarters
10-02 Return to Your Quarters
10-03 Call Dispatcher by Phone
10-04 Acknowledgement
10-05 Repeat Message
10-06 Stand by
10-07 Verify Address
10-08 In Service by Radio
10-09 Off the Air
10-10 What is Your Location
10-11 Request Radio Test Count
10-12 1st Arriving Unit Give Preliminary
10-14 Breakdown of Apparatus
10-18 Return All Units Except Engine Co., Ladder Co. Required at Scene
10-19 Return All Units Except Unit Required at Scene
10-20 Proceed to Box Location slowly

Preliminary Reports, Fire:

10-21 Brush Fire
10-22 Outside Rubbish Fire
10-23 Abandoned Derelict Vehicle Fire
10-24 Auto Fire
10-25 Manhole Fire, condition
RED --(A) Fire Extended to Building
(B) Gas Main Leaking Area
(C) Gas Leak in Structure
ORANGE- One or More Manhole Covers Blown
YELLOW- Smoke Seeping from Manhole
WHITE- Fire in Building (main fuse box affected)
10-26 Food on Stove
10-30 Request for 2 Engines, 2 Ladders and a B.C. response

Preliminary Reports, Emergencies:

10-31 Clogged Incinerator
10-32 Defective Oil Burner
10-33 Odor of Smoke
10-34 Sprinkler Malfunction
10-35 Defective Alarm System
10-36 Auto Accident
10-37 Assist Civilian
10-38 Steam Leak
10-39 Broken Water Main

Additional Assistance:

10-41 Suspicious Fire -Notify Fire Marshall
10-41 CODE #1 Occupied Structure Definite Indications of Incendiarism
10-41 CODE #2 Occupied Structure While no Definite Indications of Incendiarism, witnesses and/or other Civilians have information that may be of value. Fire Marshall to Rspnd.
10-41 CODE #3 Vacant Building (Cause Code 61) Heavy Volume of Fire Indicates Definite Incendiarism. F.M. to Respond as other priorities permit.
10-41 CODE #4 Vacant Building (Cause Code 60) Is Obviously "Malicious Mischief" Category (Cause Code 60) and It Appears that There Is Very Little Chance for Apprehension or Obtaining Information Leading to Same. Notification for F.M.'s Evaluation.
10-44 Request for Public Ambulance
10-45 Possible D.O.A.
CODE #1 Victim Deceased
CODE #2 Victim Possibly Deceased
CODE #3 Victim Suffering from Serious Injury Which May Lead to DOA.
10-47 Request for Police Assistance
10-48 Police Assistance -Harassment
10-51 Cancellation of All Outside Activities for This Perios
10-59 Water Pressure Alert, Phase 1
10-60 Water Pressure Emergency, Phase 2
10-68 Unit Shall Restrict Use of Telephone, Voice Alarm and Radio to Absolute Minimun.
10-75 Request for Three Engines, Two Ladders and Battalion Chief Response

10-92 Malicious False Alarm

From Wally (NY-024)

Per a question in your column in the January RCMA from Eddie (NY-041) regarding the New York En-Con Police. Maybe I can give you some information which you might be able to use.

The people known currently as EnCon Police have been known by several titles over the past years. At one time they were called game wardens as that was their main function; i.e. enforcing the various hunting and fishing laws within New York State. More recently they have been called Conservation Officers and then Environmental Conservation Officers. In the past 15 months or so they seem to have switched the lettering on their patrol cars (what you folks in New England would call cruisers) to Environmental Conservation Police. In spite of this, the 1980-81 New York State Hunting/Fishing Guide still refers to these people as Environmental Conservation Officers.

NEW YORK

State & County Police Radio Codes:

1. MURDER
2. MANSLAUGHTER
3. MANSLAUGHTER PY NEGLIGENCE
4. RAPE
5. ROBBERY
   a. Attempted Robbery
   b. Unfounded Robbery
6. FELONIOUS ASSUALT
7. BURGLARY
   a. of Residence
   b. of Non-Residence
8. UNLAWFUL ENTRY
   a. Attempted Entry
   b. Unfounded Burglary
9. POSSESSION OF BURGLARY TOOLS
10. GRAND LARCENY except Auto
11. PETIT LARCENY except Auto
   a. Pocket-Picking
   b. Purse Snatching
   c. Shop Lifting
   d. Thefts from Auto Except Plates
   e. Auto Accessories
   f. Bicycles
   g. Other Larcenies
   h. Thefts Unfounded
   i. Thefts Cleared
   j. Thefts Attempted
   k. Thefts Outside Report
   l. Thefts Outside Recovered Here
   m. Gas Siphoning
12. (none listed)
13. AUTO THEFTS NOT RECOVERED
   a. Auto Theft Recovered
   b. Auto Theft Attempted
   c. Auto Theft Outside Recd. Here
   d. Auto Theft Outside Report
14. CRIMINALLY RECEIVING STOLEN PROPERTY
15. FRAUDS & CHEATS
   a. Worthless Checks
16. FORGERY & COUNTERFEITING
17. ARSON
18. PROSTITUTION - COMMERCIALIZED VICE
19. OTHER SEX OFFENSES
   a. Obscene Phone Calls
   b. Malicious Phone Calls
20. VIOLATION NARCOTIC LAWS
21. WEAPONS - CARRYING - DANGEROUS
   a. Shooting of Weapons
   b. Permits - Finger Prints
22. DRIVING WHILE INTOXICATED 2nd OFFENSE
23. ASSAULT THIRD DEGREE
   a. Assault & Battery
   b. Assault Unfounded
24. ABANDONMENT OF WIFE & CHILD
25. WIFE & CHILD - OTHER OFFENSES
26. LIQUOR LAW VIOLATIONS -A.B.O.
27. DRIVING WHILE INTOXICATED 1st OFFENSE
   a. Driving Impaired
28. PARKING VIOLATIONS
29. OTHER VEHICLE LAW VIOLATIONS
   a.
   b. Report of Violation of Driving Law
   c. Violation of M.V. & T. Law
   d. Report of Violation of M.V. & T. Law
   e. Revocation & Suspension & Recessions
30. PUBLIC INTOXICATION
31. DISORDERLY CONDUCT
32. VAGRANCY
33. GAMBLING
34. MALICIOUS MISCHIEF
35. TRESPASSING PRIVATE PROPERTY
36. REPORTS OF TOWN ORDINANCE VIOLATIONS
   a. Arrests for Town Ordinance Violations
   b. Public Health Law
37. FELONIES - All Others
38. MISDEMEANORS - All Others
39. JUVENILE OFFENSE
   a. Wayward Minor
40. PROPERTY
   a. Lost
   b. Found
   c. Recovered
   d. Stolen
   e. Lost License Plate
41. A.W.O.L. Deserters
42. SUICIDE
   a. Attempted Suicide
   b. Sudden Death
43. PROWLER - SUSPICIOUS PERSONS
44. INVESTIGATIONS - OTHER
   a. Arr. for Other Police Department
   b. Notify Warrants
45. AUTO ACCIDENTS
   a. Involving Personal Injury
   b. Property Damage Only
   c. Arr. from Accidents
46a. AUTO MISPARKED
46b. AUTO REPOSSESSED
47. AMBULANCE CALL
   a. Emergency Runs in Patrol Car
48. PEDESTRIANS
   a. Injured (e.) Mentally Sick
   b. Taken Sick (f.) Shot
   c. Missing (g.) Lost
   d. Escaped (h.) Bitten by Dog
49. TOWN DEPARTMENTS
   a. Town Attorney (i.) Fire
   b. Permit Officer (j.) Highway Dept.
   c. Schools (k.) Welfare Dept.
   d. Supervisor (l.) Town Clerk
   e. Parks (m.) Utilities
   f. Police Chief (n.) N.Y.S.P.
   g. Library (o.) Radio
   h. Water Dept.
50. CHILDREN
   a. Air Rifle
   b. Annoying
   c. Destroying Property
   d. Lost of Missing
   e. Runaways

QUINNABAUG VALLEY (WINDHAM COUNTY) FIRE RADIO

Quinnabaug Valley- "QV" Dispatch KXU431

33.900 PRIMARY, 33.760 Channel #2, 33.780 Mobiles, 33.800 Tones --

WA-1	Putnam City	WK-5	East Killingly	WR-1	Canterbury
WA-2	East Putnam	WK-6	South Killingly	WS-1	Sterling
WB-1	Brooklyn	WL-1	Plainfield-Moosup	WS-2	Oneco
WB-2	West Wauregan	WL-2	Plainfield-Moosup	WT-1	Thompson -community
WB-3	East Brooklyn	WL-3	Atwood	WT-2	West Thompson
WF-1	Eastford	WL-4	Central Village	WT-3	Quinnebaug
WK-1	Killingly	WM-1	Pomfret	WT-4	Thompson Hill
WK-2	Danielson	WO-1	Woodstock	WT-6	East Thompson
WK-3	Attawaugan	WO-2	Woodstock Volunteer		
WK-4	Dayville	WO-3	Bungry		

LITCHFIELD COUNTY FIRE RADIO

33.700 PRIMARY - Torrington Station "R" as Headquarters (radio test at 1930, thursdays)

Community	Call	CallSign	Community	Call	CallSign
Bantam	RLB	KCG-581	New Hartford	RD	KRI-571
Barkhampsted, East	RBE	KKC-895	New Milford	RN	KCE-669
Bethleham	RE	KCE-526	Norfolk	RF	KCF-325
Bridgewater	RA	KLW-251	Northfield (Litchfield)	RLN	KJI-599
Burrville (Torrington)	RTB	KCE-799	Northville (New Milford)	RNN	KJR-439
Colebrook -Company #1	RO-1		Pine Meadow (New Hartford)	RDP	
Colebrook -Company #2	RO-2		Pleasant Valley (Brkhmstd.)	RBV	KZC-491
Cornwall	RQ	KCF-398	Riverton (Barkhamstead)	RIV	
Drakeville (Torrington)	RTD		Roxbury	RX	KCF-562
East Hartland	RHL	KTY-975	Sharon	RS	KCT-618
E. Litchfield (Litchfield)	RLE	KCE-720	Terryville (Plymouth)	RP	KCG-964
Falls Village (Canaan)	RC	KCE-576	Thomaston	RV	KCG-575
Gaylordsville (New Milford)	RNG	KDU-446	Torrington	RT	KCC-944
Goshen	RG	KCE-519	Torringford (Torrington)	RTT	
Harwinton	RH		Warren	RR	KCF-460
Harwinton, West Side	RHW	KCT-676	Washington	RI	KLE-931
Kent	RK	KCF-735	Watertown	RZ	KCI-233
Lakeville (Salisbury)	RU	KCD-837	West Cornwall (Cornwall)	RQ-1	
Litchfield	RL	KCK-721	Winsted (Winchester)	RW	KYF-355
Morris	RM	KCE-454	Winchester	RWW	
Nepaug (New Hartford)	RDN		Woodbury	RY	KCE-527

HARTFORD COUNTY FIRE RADIO:

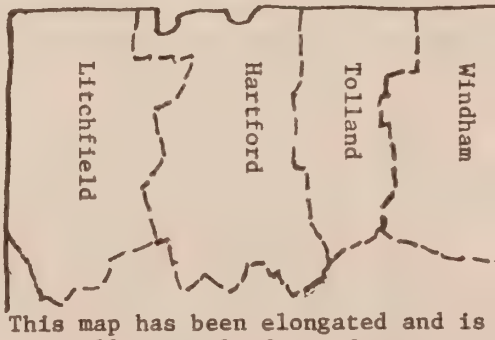
Hartford County does not have a Mutual Aid Frequency Plan per se. 33.940 is used by some towns for local and Intersystem operations -Granby for instance-, however, most Mutual Aid Calls are sent by land-line.

CONNECTICUT STATEWIDE FIRE NETWORK

46.160 MHz

Call	Officer	Community
HQ-1	New London County Coordinator	Waterford
HQ-21	New London County Deputy	Norwich
HQ-31	New London County Deputy	Waterford
HQ-41	New London County Deputy	Groton
HQ-2	Tolland County Coordinator	W. Willington
HQ-22	Tolland County Deputy	Tolland
HQ-32	Tolland County Deputy	Mansfield
HQ-3	Windham County Coordinator	E. Woodstock
HQ-23	Windham County Deputy	Killingly
HQ-4	Middlesex County Coordinator	Middletown
HQ-24	Middlesex County Deputy	Chester
HQ-34	Middlesex County Deputy	Clinton

Northern Connecticut County Map



This map has been elongated and is not at all to scale-for reference onl

Call	Officer	Community
HQ-5	Hartford County Coordinator	Windsor
HQ-25	Hartford County Deputy	Simsbury
HQ-6	New Haven County Coordinator	Hamden
HQ-26	New Haven County Deputy	Milford
HQ-7	Fairfield County Coordinator	Fairfield
HQ-27	Fairfield County Deputy	Shelton
HQ-8	Litchfield County Coordinator	Kent
HQ-28	Litchfield County Deputy	Riverton, New Hartford
HQ-38	Litchfield County Deputy	Woodbury
HQ-9	State Radio Chairman	East Windsor
HQ-10	State Fire Chaplan	Windsor Locks
HQ-11	State Fire School Rescue Unit	
HQ-12	State Public Safety Communications Van	
HQ-13	Colchester Dispatch Center Coordinator	
HQ-14	State Fire Administrator	Bethany
HQ-15	State Fire Coordinator	Cheshire
HQ-16	State Fire Training Director	
HQ-51	Radio Chairman) additional units attached to various counties	
HQ-61	Chaplans	

TOLLAND COUNTY FIRE NETWORK:

Tolland Dispatch KCD346 -33.900 Primary; 33.400 Tolland, 33.78 Mobiles, 33.88 Rescue-

Community Designators- ("TN"):

07- Eagleville	40- Tolland	44- West Stafford	49- North Willington
13- So. Willington	41- Vernon	45- Stafford #1	51- Osborn Prison (Somers)
32- Mansfield School	42- Crystal Lake	46- Somers	72- Union
34- Bolton	43- Ellington	47- Stafford Springs	90- Tri City Divers/Police

CONNECTICUT COUNTY FIRE RADIO CODES:

12	Refreshments to Scene	63	On the Scene
23	Emergency other than Fire	64	Make Inspection
24	Disaster Alert	65	Telephone Alarm
25	Weather Alert	66	Sound Box Alarm
49	Air Raid Alert	67	Sound 2nd Alarm
50	Alarm of Fire	68	Sound General Alarm
51	Report to Station	69	Special Call for Apparatus
52	Off the Air	70	Any Instructions
53	On the Air	71	Return to Quarters
54	Fire under Control	72	Working Fire
55	Send Police to Scene	73	Apparatus Available
56	Send Water Company to Scene	74	Notify Chief of Fire
57	Send Mechanic to Scene	75	Notify Fire Marshall of Fire
58	Send Power Company to Scene	79	What is Your Location?
59	Call by Telephone	80	All Clear of Signal 23 of 50
60	Change Frequency and Specify	83	Proceed with Caution
61	Apparatus Accident	85	Radio Test
62	Mutual Aid Call		

Other Important Connecticut Frequencies:

33.780 State Fire Mobiles	153.755 Area I State Civil Preparedness- Southwest Conn.
46.160 State Fire Net	153.800 Area II State Civil Preparedness- Southcentral Conn.
47.300 State Highway Dept.	153.935 Area III State Civil Preparedness- Northcentral Conn.
47.380 State Highway Dept.	153.965 Area IV State Civil Preparedness- Northeast Conn.
47.320 State Highway Dept.	153.740 Area V State Civil Preparedness- Northwest Conn.
45.520 State Civil Defense	460.250 East Hartford Police/ 460.600 East Hartford Fire
45.600 State Civil Defense	460.550 Enfield Police/ 33.84-.96 Fire
460.075 RAFS Hartford Area Police	154.625, 154.540, 154.570 Alarm Room News
460.175 RAFS Hartford Area Police	450.550 WSFB TV/ 455.850 WTIC/ 161.76 WPOP/ 161.73 WDRC
460.225, 460.475 WEMLEC tie-in	453.000 Hartford Courant Newspaper

460.050 Hartford Northside/ 460.200 Southside
154.310 Hartford Fire Ch. #1; 153.83, 155.94

PUBLIC SAFETY - WEST

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming to: George Hoggatt, 17473 E. 16th Drive, Aurora, CO 80011.

Well, here we go with another column. Just so nobody gets too upset about not seeing their contribution, it is the last week in April as I write this, but it is for the July issue. Items received by the 15th of the month should appear in the issued dated 3 months later. (i.e. items received by me no later than July 15, 1981 should appear in the October issue). This assumes that I have time to type any untyped items.

The input has slowed from a trickle to a few drops. There is enough for this month and a very small start on the August issue, but if no more is received in the next 30 days than was received in the last 30 days, this column may die. Public Safety was one column, then as the club grew, it became three (East, Central and West). As the club grew more, California was split from the West. If the situation doesn't improve, I will recommend that the California and West columns be combined again. We have an area that can support a column, and enough members to support it but I and the few regular contributors cannot make it go. GET OFF YOUR DUFF AND SEND SOMETHING IN! PLEASE!

ERROR, ERROR

My thumbs blew it again. In the May issue, the District Primary Channel for the Idaho State Police should be 460.200 base (page 59).

Skyline (Colorado) Fire Protection District (page 59) is dispatched by the Castlewood FPD (154.235) not Cunningham as reported.

COLORADO NEWS

In January, John Darr (WY-004), out Contact/Info editor, requested help on identifying some "vexing" interference on 154.800 mhz. It was as I suspected, the new Aurora Colorado computer dispatch system. Stan Hintz (OR-019) confirmed this. I agree with John that the noise is awful. Aurora will soon be using the system for Fire dispatch. They have a new frequency listed in Police Call and I suspect that it is for the computer. The PD uses two frequencies for computer dispatch. 154.800/158.730 channel 1 and 155.640/158.790 channel 2. Both are repeater. Does anyone have any ideas on decoding these transmissions? The system is Motorola equipment, but was custom designed.

This item could and probably should go to a couple of other columns, but since I discouvered it, I'm going to be selfish and print it here. The traffic reporters aircraft in the Denver area use 123.400 mhz to talk to each other. The Police and Sheriff's helicopters also talk to them during emergencies (such as during a recent multi-alarm chemical plant fire.) This frequency is assigned to Flight Test Stations (manufacturers). I don't know how they got permission to use it (if they did). They may be mad when this appears as they are very secretive about it, it was mentioned only once and the pilot was very definate about not giving the frequency over the air.

Boulder County is licensed on 460.200/465.200 repeater. Police Call lists it, another list I have lists it, the FCC records list it as Boulder County, but it is used by Weld County. The calls match. Can anybody explain it?

NEW MEXICO

Fred Richter (NM-005) has sent in a revised frequency list for Albuquerque PD.

BASE	MOBILE	TYPE	REMARKS
155.850	155.850	PP FBM	Ch. 1 Information
155.490	155.490	PP FBM	Ch. 2 NW and SW (see map in the April issue)
155.670	155.670	PP FBM	Ch. 3 NE
155.250	155.250	PP FBM	Ch. 4 SE
155.010	155.010	PP FBM	Ch. 5 Service* and car to car
154.860	154.860	PP FBM	Ch. 6 Detectives and car to car
154.815	154.815	PP FBM	Ch. 7 ? used, exact use unknown

*The service channel is used to have a radio operator make phone calls and look up addresses, etc.

453.900 458.900 SUN TRAN (City buses)
453.675 458.675 PL RP Handicap transportation vans

Fred also sent a map of the New Mexico State Forestry Districts and some additional information on the frequencies listed in April.

159.330 is channel 1 administrative and normal operations
159.420 is channel 2 and is used as a tactical, fireground, car to car freq.
the above are subject to revision as the amount of traffic is very low.
Units in each district are "Socorro + a number" or "Captain + a number".
Units in the State office in Santa Fe are known as "Forrestry + a number".
If the number following the District name is 1, the unit is the District Forester; if a three, ti is the District Fire Control Officer.

OREGON

The mystery contributor from Portland has been identified. He is George Du Bois (OR-001). I have some more from him but am holding it until next month.

ALASKA

Larry Smith (MI-001) has sent in two lists of frequencies from Alaska. The lists have a few duplications but I am printing them as submitted. I understand from Larry that the only member in Alaska is moving, but with the Inland Passage cruises becomming popular, the lists seem appropriate. Bob Grove has converters that will enable you to receive those odd 72 mhz frequencies.

ALASKAN POLICE AGENCIES

-- LARRY [MI-001]

72.020	WBC738	STATE OF ALASKA	RP	ILIAMNA LAKE
72.100	WAF605	STATE OF ALASKA	RP	BEAVER CREEK
72.100	WBC739	STATE OF ALASKA	RP	ILIAMNA LAKE
72.180	WAX505	STATE OF ALASKA	RP	DOT LAKE
75.420	WAA495	STATE OF ALASKA	RP	TOLSONA
75.520	WBN420	STATE OF ALASKA	RP	ERNESTINE
75.980	WBN426	STATE OF ALASKA	RP	BROADVIEW
75.980	WAM929	STATE OF ALASKA	RP	TOK
75.980	WAF570	STATE OF ALASKA	RP	WEST FORK
154.445	KIZY19	CITY OF BARROW	M	BARROW
154.770	KJF866	CITY OF SKAGWAY	MR	SKAGWAY
155.010	KMJ850	CITY OF VALDEZ	BM	VALDEZ
155.130	WQM39-40	CITY OF JUNEAU	MR	JUNEAU
155.190	KZF986	CITY OF FORT YUKON	BM	FORT YUKON
155.250	KUX438	STATE OF ALASKA	MR	KODIAK
155.370	KWB243	CITY OF FAIRBANKS	BM	FAIRBANKS
155.415	KXC833	STATE OF ALASKA	MR	DOT LAKE
155.415	WSQ67	STATE OF ALASKA	RP	SILVERTIP
155.550	KUX438	STATE OF ALASKA	MR	KODIAK
155.595	KQE279	CITY OF DILLINGHAM	MR	DILLINGHAM
155.730	KEC403	STATE OF ALASKA	MR	MC CALLUM
155.790	KVA544	STATE OF ALASKA	MR	ANCHORAGE
156.210	KUX383	CITY OF JUNEAU	MR	JUNEAU
453.475	KYY821	CITY OF FAIRBANKS	MR	FAIRBANKS
453.600	KGJ380	CITY OF FAIRBANKS	MR	FAIRBANKS

ALASKA PUBLIC SERVICE SERVICES/FREQUENCIES

42.020	ALASKA STATE POLICE	KWQ-502	TOLSONA
72.020	ALASKA STATE POLICE	WBC-738	ILIAMNA LAKE
72.100	ALASKA STATE POLICE	WAF-605	BEAVER CREEK
72.100	ALASKA STATE POLICE	WBN-425	LAWING
72.180	ALASKA STATE POLICE	WAX-505	DOT LAKE
75.520	ALASKA STATE POLICE	WBN-420	ERNESTINE

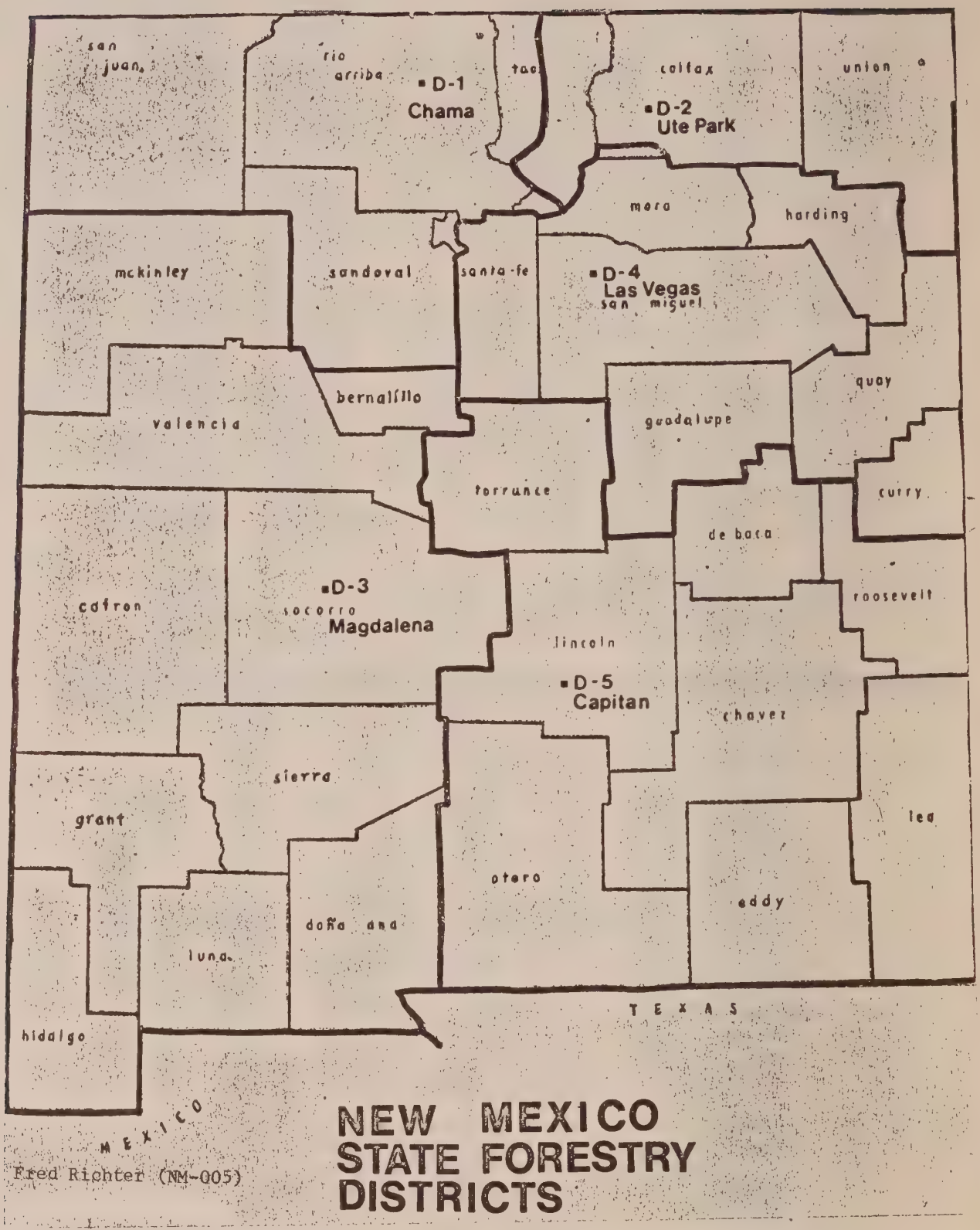
75.980	ALASKA STATE POLICE	WBN-426	BROADVIEW
75.980	ALASKA STATE POLICE	WSQ-65	SILVERTIP
154.130	CITY OF NORTH POLE FIRE DEPT.	KUO-860	NORTH POLE
154.130	TOK VOLUNTEER FIRE DEPT.	WXH-671	TOK
154.235	BETHEL VOLUNTEER FIRE DEPT.	KUO-526	BETHEL
154.250	DELTA JUNCTION FIRE DEPT.	KTZ-386	S. HAVEN
154.340	WASILLA FIRE SERVICE AREA	KEF-968	WASILLA
154.385	SOLDOTNA VOL. FIRE DEPT.	KRW-200	SOLDOTNA
154.430	CITY OF FAIRBANKS FIRE DEPT.	KWA-899	FAIRBANKS
154.445	CITY OF BARROW IRE DEPT.	KXZ-721	BARROW
155010	CITY OF BARROW (POLICE)	KXZ-719	BARROW
155.010	ALASKA STATE POLICE	KWA-212	ANCHORAGE
155.010	CITY OF VALDEZ (POLICE)	KMJ-850	VALDEZ
155.055	CITY OF NOME (LOCAL GOVT.)	KZW-787	NOME
155.130	CITY OF JUNEAU (POLICE)	WQM-39/40	JUNEAU
155.160	ILIULIUK FAMILY & HEALTH CTR.	KN-4838	UNALASKA
155.250	CITY OF WAINWRIGHT (POLICE)	KAA-704	WAINWRIGHT
155.280	ALASKA RESCUE GROUP, INC.	KA-5669	ANCHORAGE
155.280	ALASKA NATIONAL ALERT PATROL	WZJ-588	JUNEAU
155.295	ALASKA DIVISION SKI PATROL	A41640	ANCHORAGE
155.385	ALASKA HOSP. & MED. CTR., INC.	KVH-320	ANCHORAGE
155.415	ALASKA STATE POLICE	WSQ-67	SILVERTIP
155.550	ALASKA STATE POLICE	KDU-998	FORT YUKON
161.010	ALASKA STATE POLICE	KVV-726	SOLDOTNA
161.130	ALASKA STATE POLICE	KUX-438	KODIAK
446.000	ALASKA STATE POLICE	KWI-860	UMIAT
446.400	ALASKA STATE POLICE	KWI-860	UMIAT
462.525	ALASKA STATE POLICE	WBV-806	NOME

continued

SATELLITES

EDITOR WANTED!

NO COLUMN THIS ISSUE



That's all for this month. Sorry it's so short but if I an't got it, I can't print it.

NEW MEMBERS LIST

LIST/NEWMEMBERS/0481 (05/07/81)

AR 012 BRUMMETT, KARL;RT 2 BOX 5;EL DORADO, AR 71730
CALA396 NOE, RALPH W;3215 OVERLAND AVE N 7176
LOS ANGELES, CA 90034
CALA397 RANDY;DOWNEY, CA 90240
CALA398 HARTLEY, R. BOOTH;1618 GLORIETTA AVE;GLENDALE, CA 91208
CALA399 GONZALEZ, CASEY S;2914 JOHNSTON ST;LOS ANGELES, CA 90031
CALA400 MACDONALD, WALT;PO BOX 50;AGOURA, CA 91301
CALA401 SEARS, REGINALD W;219 S ALEXANDRIA APT 10
LOS ANGELES, CA 90004
CALA402 STANDARD, KENNETH L;14024 DUNROBIN;BELLFLOWER, CA 90706
CALA403 POWERS, CLARENCE C;150 EAST 57TH ST APT 3
LONG BEACH, CA 90805
CALA404 GOFF, PETER J;1122 VIA FRANCISCA;SAN PEDRO, CA 90732
CALA405 RICHARDS, WAYNE W;4516 TEMPLE CITY BLVD
TEMPLE CITY, CA 91780
CALA406 O'CONNELL, JIM;PO BOX 1052;LOS ALAMITOS, CA 90720
CALA407 THORNLEY, R.H.;8212 ATLANTIC AVE;CUDAHY, CA 90201
CALA408 WINSLOW, DONALD;2124 E BASELINE RD;GLENDORA, CA 91740
CALA409 GLUSKOTER, ARTHUR;86 W NORMAN;ARCADIA, CA 91006
CALA410 JACOBSON, ANDREW F;1433 LARCHWOOD AVE
HACIENDA HEIGHTS, CA 91745
CAOR193 KERNS, GERRY;1250 SOUTH SYCAMORE;SANTA ANA, CA 92707
CAOR194 LANDIN, BONNIE L;20645 SANTIAGO CNY. RD;ORANGE, CA 92669
CAOR195 ROBBINS, DONALD;205 PRINCE LN;SANTA ANA, CA 92704
CAOR196 KOONTZ, R.E.;1616 S EUCLID 89;ANAHEIM, CA 92802
CARI035 WALLACE, W.L.;4250 GLENWOOD DR;RIVERSIDE, CA 92501
CARI036 STANLEY;PALM SPRINGS, CA 92262
CASB038 TRANGLE, ROSS;PO BOX 426;LOMA LINDA, CA 92354
CASB039 SAUNDERS, HOWARD C JR;12983 CALIFORNIA ST
YUCAIPA, CA 92399
CASD039 STARK, ROY JR;6848 EL CAJON BLVD 18;SAN DIEGO, CA 92115
CASD040 GINN, DANIEL E;PO BOX 1342;NATIONAL CITY, CA 92050
CASJ007 WINTERHALDER, HOWARD;2540 DOUGLAS RD;STOCKTON, CA 95207
CASN006 PHELPS, RICHARD L;326 BOND AVE;PETALUMA, CA 94952
CASO004 HOLMAN, V. G.;1016 WESTERN AVE;VALLEJO, CA 94590
CO 029 HUFF, SSGT TOBIN M;1150 SYRACUSE ST;BLDG 8 APT 144
DENVER, CO 80220
CO 030 BISBEE, RICHARD S;2207 DOWNING DR
COLORADO SPRINGS, CO 80909
CT 047 DOM;TORRINGTON, CT 06790
CT 048 HURVITZ, ROBERT;168 MANSFIELD ST;NEW HAVEN, CT 06511
CT 049 SANDHOLM, VIOLET;US RT 6 RR 1 BOX 27;BROOKLYN, CT 06234
CT 050 RING, WILLIAM H.;14 JOHN STREET;ANSONIA, CT 06401
FL 111 NEWBERRY, WAYNE;781 W OAKLAND PK BLV SUITE 202
FT LAUDERDALE, FL 33311
FL 112 WALSH, GORDON L.;4349 WOODMANS CHARD;SARASOTA, FL 33580
GA 032 BASTER, HELMUT;PO BOX 308;ELLENWOOD, GA 30049
IA 026 DAHLKE, KARL P;BOX 130;FAYETTE, IA 52142
IA 027 JASS, TERRY L;524 1/2 PIERCE;IOWA FALLS, IA 50126
IL 183 WORDLOW, LARRY R;1114 LANDES ST;MT. CARMEL, IL 62863
LA 022 GASPARD, WALTER J;1017 RACE APT 4;NEW ORLEANS, LA 70130
LA 023 CUTRER, GRADEY JR;PO BOX AA;KENTWOOD, LA 70444
MA 091 FAVREAU;3 HILL STREET;GARDNER, MA 01440
MA 092 KIRK, FRANCIS;81 HIGH STREET;CHARLESTON, MA 02129
MD 047 SCHNEIDER, ERIC M;7509 SPRINGLAKE DR;BETHESDA, MD 20014
MD 048 MURRAY, DR J.L.;12 DECATUR ST;CUMBERLAND, MD 21502
MD 049 POSEN, DONALD E;8522 LUCERNE RD;RANDLLSTOWN, MD 21133
MD 050 PLATSKY, ALLAN D;11710 LEONA STREET;WHEATON, MD 20902
MD 051 HUDELSON, WILLIAM R;15907 PINECROFT LANE;BOWIE, MD 20716
MI 085 CHRISTIE, EMER;5786 AZTEC LANE;HOWELL, MI 48843

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MI   086 BRADLEY, SANN R;15689 ISABELLE;ROMULUS, MI  48174
MI   087 JOHNSON, D.M.;2320 ROLLING HILL;GRAND RAPIDS, MI  49506
MS   017 ANDERSON, JOHN T;BOX 125;NORTH CARROLTON, MS  38947
NB   005 COOK, W.W.;P.O. BOX  248;BEATRICE, NB  68310
NC   029 OLIVER, N.P. III;PO BOX 294;BUSTON, NC  27920
NH   015 CARR, RICHARD;68 TOWNSEND AVE;SALEM, NH  03079
NJ   117 COGEN, JEFF;12 BORDEN PLACE;LIVINGSTON, NJ  07039
NJ   118 GAVAZZI, MARIO;518 TURNBULL PLACE;BRIDGEWATER, NJ  08807
NJ   119 STINGLER, ALFRED W;KINGSWICK APTS  C-21
         THOROFARE, NJ  08086
NJ   120 MULLIGAN, KEVIN;SARASOHN AND COMPLAN;80 POMPTON AVE
         VERONA, NJ  07044
NJ   121 FULLAM, REX III;PO BOX 565;MANASQUAN, NJ  08736
NJ   122 COSTELLO, ANTHONY;OCEAN HEIGHTS MANOR  APT 3D
         SOMERS POINT, NJ  08244
NV   010 BRZEZINSKI, ROBERT;825 N LAMB BLVD  7106
         LAS VEGAS, NV  89110
NY   170 MOSSOTTI, PATRICIA;180 BENNETT RD;CAMILLUS, NY  13031
NY   171 BUCKLEY, TOM;PO BOX 3086;LONG ISLAND CITY, NY  11103
NY   172 STARK, DAVID T;82 GLENWOOD AVE;ROCHESTER, NY  14613
OH   097 FRAMPTON, THEODORE B;22230 EUCLID AVE;EUCLID, OH  44117
OH   098 JENSEN, DONITA K;4161 AKRON RD;SMITHVILLE, OH  44677
OH   099 GRAY, STEPHEN C.;4114 WHITE OAK DR;DAYTON, OH  45435
OH   100 CHESWELL, ROBERT F;4024 MONTEZUMA PLACE
         KETTERING, OH  45440
OH   101 DALRYMPLE, LOUIS;432 GLENDALE-MILFORD RD
         LOVELAND, OH  45140
OH   102 CUNE, ERIC T;3850 GATEWOOD LANE;CINCINNATI, OH  45236
OH   103 SIMONE, WILLIAM;548 ST LAWRENCE BLVD;EASTLAKE, OH  44094
OR   036 PAXTON, MIKE;PO BOX 625;GEARHART, OR  97138
PA   130 STRONCEK, FRANK A;2945 HARMENING AVE;PITTSBURG, PA  15227
PA   131 COLEMAN, JOHN E JR;906 ROSTRAVER ST;MONESSEN, PA  15062
PA   132 DONALD;WEST CHESTER, PA  19380
PA   133 ANDERSON, JOHN J;3913 3RD AVE;BEAVER FALLS, PA  15010
SC   014 GRAHAM, JACK R;2800 AMERICAN AVE;WEST COLUMBIA, SC  29169
TX   088 SPEED, TOMMY LESTER II;RR 5 BOX 5350;BRAZORIA, TX  77422
TX   089 BICKHAM, L.B.;3422 S MAC GREGOR WAY;HOUSTON, TX  77021
TX   090 MURPHY, CAROL;1805 TRACEY CR;IRVING, TX  75060
TX   091 COLE, ALVIN W;2050 ARLINGTON;HOUSTON, TX  77008
TX   092 SHULL, J.P.;518 CHURCH;SULPHUR SPRINGS, TX  75482
VA   045 FOWLER, WILLIAM JR;6417 COLTS NECK ROAD
         MECHANICSVILLE, VA  23111
VA   046 CLARK, KENNETH A;117 DEERFIELD BLVD;HAMPTON, VA  23666
VA   047 A, MD;BRADFOD, VA  24141
VA   048 MCKEOWN JOHN;2113 E AMMBLER JOHNSTON VPI
         BLACKSBURG, VA  24061
VA   049 BRAND, KENNETH R.;421 FAIRVIEW AVE;WINCHESTER, VA  22601
VA   050 LANE, F. (RADIO SHACK);5234 OAKLAWN BLVD
         HOPEWELL, VA  23860.
WA   028 MANKE, DON;4101 N 38TH;TACOMA, WA  98407
WI   040 WOJCIECHOWSKI, ROBERT;2517 W CLAYTON CREST AVE
         MILWAUKEE, WI  53221
003ENGL INN;CROYDON SERREY;UNITED KINGDOM
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AL.....14	ID.....5	MS.....14	OR.....28	WI.....37	NORW.....1
AR.....13	IL.....153	MT.....3	PA.....126	WV.....14	NZEL.....1
AZ.....27	IN.....35	NB.....3	PR.....2	WY.....4	SAAR.....1
CA.....763	KS.....20	NC.....26	RI.....7	ARUB.....1	SWED.....2
CO.....28	KY.....23	ND.....4	SC.....9	AUST.....1	
CT.....39	LA.....20	NH.....12	SD.....3	BERM.....2	
DC.....7	MA.....87	NJ.....110	TN.....17	CANA....58	
DE.....10	MD.....46	NM.....6	TX.....86	ENGL.....2	
FL.....104	ME.....13	NV.....10	UT.....8	ICLD.....1	
GA.....31	MI.....69	NY.....142	VA.....44	INDO.....1	
HI.....4	MN.....25	OH.....86	VT.....2	MEXI.....2	
IA.....25	MO.....43	OK.....18	WA.....23	NIRE.....2	

under 30 MHz

Chris Devendorf, Editor

Shortwave Utility

This column is for reporting RTTY, CW, MCW, SSB, AM and FAX reception reports, explanatory notes, articles, and questions related to frequencies below 30 MHz. Services covered in this column will be military, civilian aeronautical, coastal/maritime, SSB broadcast feeders, government, beacons, weather, voice markers, time/frequency stations, etc.—essentially everything except broadcast, CB, and amateur radio. Send to: Chris Devendorf, P.O. Box 6002, Laguna Niguel, CA 92677. If you need a Shortwave Utility report form, please inclose a SASE with your request.

Ed Flynn (CA-SF-17) is stationed in South Korea and wants to know if any other members are located in his area so that they might correspond with each other. He operates his HF station with a NRD-515 receiver and a Microlog AVR-2 RTTY converter.

INFO

US COAST GUARD MARINE INFO BROADCASTS

All of the following broadcasts are transmitted on 2670 USB after a call-up on 2182 USB. All times indicated are GMT.

Callsign	Location	Times			
NMF	Boston, MA	0440	1040	1640	2240
NMY41	Shinnecock, NY	0020	1220		
NMK	Cape May, NJ	1103	2303		
NMN70	Chincoteague, VA	0233	1403		
NMN80	Hampton Roads, VA	0203	1333		
NMN13	Cape Hatteras, NC	0133	1303		
NMN37	Fort Macon, NC	0103	1240		
NMB	Charleston, SC	0420	1620		
NMA10	Mayport, FL	0620	1820		
NMA21	St Petersburg, FL	0320	1420		
NMG	New Orleans, LA	1035	1235	1635	2235
NOY	Galveston, TX	1050	1250	1650	2250
NOY3	Aransas, TX	1030	1230	1630	2230
NCH	Port Isabel, TX	1040	1240	1640	2240
NMR	San Juan, PR	0305	1505		
NOQ	Mobile, AL	1020	1220	1620	2220
NOQ7	Panama City, FL	1000	1200	1600	2200
NMC	San Francisco, CA	0200	1400		
NOW	Port Angeles, WA	0545	1745		
NMW	Astoria, OR	0533	1203	1733	
NOE	Coos Bay, OR	1215			
NMC11	Humboldt Bay, CA	0333	1533		
NMC6	Monterey, CA	0333	1533		
NMQ8	Channel Islands, CA	0503	1303	2103	
NMO	Honolulu, HI	0545	1745		
NRV	Guam	1005	2205		

Several other stations still transmit this type of broadcast, but have dropped the 2 Mhz frequencies and are now only using 157.1 VHF-FM.

INTERCEPTS

Contributor:

David Beck	AL-1	R-1000
Mike Chabak	AZ-23	HQ-180
Fred Osterman	KY-18	R4B
Ronald Pokatiloff	IL-83	ICF-2001
Bob Rankin	KS-1	R-7
Al Ricciuto	NY-150	DR-22
Len Stock	CO-25	FRG-7000

Voice

2150	USB	3-25	0409	SAN DIEGO CONTROL wkg USS CORAL SEA w/ r/c
2678	USB	3-24	0603	USCG GROUP MIAMI, Florida
2716	USB	3-24	0539	SEATTLE CONTROL, USN Washington
4499	SSB	4-5	1413	BREASTBONE WKG CHASSY w/ radio check
4700	USB	3-27	1340	LIBERTY LADY, NAS Moffett Field wkg LX22Ø
5080	USB	4-3	1314	PLEAD CONTROL, Pt Mugu wkg HOSTILE METHOD 1Ø
5450	USB	4-7	0145	4FE wkg ØJT with roll call
5610	A3H	4-2	0651	SHANWICK wkg RESCUE 51
5820	USB	4-2	0142	ALFA 34 wkg OSCAR 77 with radio check
6509.5	USB	4-21	1235	NOAA SHIP CHAPMAN wkg NOAA TOWNSEND CROMWELL
6708	USB	4-10	1024	KING BRAVO wkg FISHER RADIO radio check
6908.5	USB	4-9	1241	J5D24 wkg J5D25 (Army) with RTTY tests
7461	USB	4-10	1136	KING CHARLIE wkg CAPE RADIO radio check
7527	USB	4-7	0055	ROADRUNNER 1Ø wkg OMAHA 95
	USB	4-7	0120	LIMA 2Ø5 clg 11ØØ
	USB	4-10	0215	MIKE 722 wkg JOHN JOHN radio check
	USB	4-16	0130	ROADRUNNER BASE wkg OMAHA 53
	USB	4-16	0140	LIMA 17Ø wkg unknown station
	USB	4-17	0220	HOMEPLATE wkg OMAHA 53 radio check
	USB	4-17	0316	OMAHA 4Ø wkg OMAHA 53
	USB	4-24	0130	ROADRUNNER 7 wkg ROADRUNNER 1Ø
	USB	4-24	0130	DESERT BASE wkg ROADRUNNER 10 & 7
	USB	4-24	2316	ROADRUNNER 1Ø wkg OMAHA 4Ø
	USB	4-25	0009	ROADRUNNER 4 wkg ROADRUNNER 7 & 1Ø
	USB	4-25	0011	DESERT BASE wkg ROADRUNNER 1Ø
	USB	4-26	0055	OMAHA 92 wkg ROADRUNNER 1Ø
	USB	4-26	0222	DESERT 45 wkg ROADRUNNER 1Ø
8039	LSB	4-12	1303	ANDREWS, MD wkg SAM 24129 p/p to SAM
8101	SSB	4-6	0134	DOWNTOWN wkg FROGPOND w/ coded message
8707	USB	4-5	1444	CAKEBOX clg CAKEPAN
8826	A3H	3-22	0415	NIAMEY, Niger wkg IK4Ø7
	A3H	3-22	0450	BRAZZAVILLE, Congo wkg AEROFLOT 435
8875	A3H	3-24	0507	HONOLULU, Hawaii wkg NORTHWEST 440
8910	A3H	3-19	0218	CAMBRIDGE BAY, Canada wkg SPEEDBIRD CC
	A3H	4-5	0147	SONDERSTROM, Greenland wkg JAPAN AIR 425
8917	SSB	4-10	0228	LOCKHEED LA wkg NAVY 33Ø
8924	A3H	4-4	0421	ALGIERS, Algieria wkg ALITALIA 569
8945	A3H	3-18	0412	NEW YORK ,NY wkg ROYAL JORDANIAN 264
	A3H	3-18	2155	SANTA MARIA, Azores wkg ANGOLA 700
	A3H	3-22	0528	NEW YORK, NY wkg AIR INDIA 190
9727	USB	4-4	2140	CASKET (Braggs AAF) wkg HICCUP 75
10049	A3H	3-22	0552	DAKAR, Senegal wkg AERO URUGUAY 400
	A3H	3-24	0632	SAL ISLAND wkg CLIPPER 440
	A3H	3-24	0649	CAMPO GRANDE wkg ARGENTINAS 437
10493	USB	3-18	1512	WGY9Ø6 wkg WGY9Ø8 (FEMA net)
10523.6	USB	4-3	1301	SAIPAN MONITOR wkg IWO JIMA & MARCUS LORAN

	USB	4-3	1304	HAMPYONG LORAN wkg YAKOTA MONITOR	MC
10780	USB	4-10	1013	KING BRAVO wkg CAPE LEADER, Florida	MC
	USB	4-10	1134	CAPE RADIO, Florida wkg KING CHARLIE	MC
	USB	4-11	1805	CAPE RADIO, Florida wkg outlying stations	BR
	USB	4-12	1217	GOLF PHOTO p/p to CAPE LEADER via CAPE RADIO	MC
11069	SSB	4-16	2130	AUTOCRAT clg COLORFUL	LS
11118	SSB	4-8	1430	CARNEGIE wkg DOGSLED with radio check	LS
11155	LSB	3-9	0544	SPY STATION: 5 ltr gps, EE/OM w/spanish accent	DB
11555	USB	4-5	0153	KRF263 (DOE) wkg LOBO 21 (also data bursts)	BR
11202	USB	4-8	1246	AIR FORCE SYDNEY, Australia wkg STRIKER 42	MC
11243	USB	2-25	0213	BELLTRAIN wkg GRAYSON (SAC)	DB
11267	USB	2-25	0218	D3Z wkg 4UU, 4PE and 4AI (USN)	DB
	USB	3-9	0516	S8T wkg S9R (USN)	DB
11367	A3H	3-20	1914	NEW YORK, NY wkg EGYPT AIR 911	AR
11402.5	USB	4-22	1255	MAJURO ATOLL wkg HONOLULU	MC
13113	USB	3-7	0646	CGC MORGANTHAU wkg ATTU and KISKA, Alaska	DB
13201	LSB	4-8	1307	SAM 24129 wkg ANDREWS with p/p	MC
13251	USB	4-1	0414	LIBERTY LADY (Moffett Field) wkg TA 676	MC
13264	SSB	3-29	0459	ANCHORAGE, Alaska wkg JAPAN AIR 480	FO
13266	SSB	3-28	0428	NAIROBI, Kenya wkg BOW AIR 620	FO
13288	A3H	3-18	1747	GANDER, Nfld wkg CANADIAN MILITARY 0732	AR
13328	A3H	4-4	1852	GANDER, Nfld wkg ASCOT 6504	AR
13336	SSB	4-19	0520	DAR ES SALAM, Tanzania wkg LUFTANSA 540	FO
13372	USB	3-22	0917	SPY STATION: YL SS 5 digit groups	DB
13939	USB	4-16	0326	KE4 wkg KE18 with traffic	LS
13975	USB	4-6	1311	NNNØNRS Diego Garcia wkg NNNØKRQ (USN MARS)	MC
14685a	USB	4-11	2047	ATLAS clg FLINT 357	BR
15038	SSB	4-3	1956	9JS clg CTC	LS
15893	SSB	4-7	1423	AAC Ft Meade wkg AAC32 with relay	LS
17488.6	USB	4-25	1205	SAIPAN MONITOR wkg IWO JIMA & MARCUS LORAN (USCG)	MC
18666	USB	4-9	2240	ATLAS wkg FLINT 357	BR
	USB	4-22	1623	ATLAS wkg FLINT 462 with p/p	BR
	USB	4-22	1645	SUNDANCE 1Ø wkg ATLAS & FLINT 255	BR
20186	USB	4-17	1446	NINE ONE Antigua wkg TWELVE Ascension Is (USAF)	LS
20191	LSB	4-3	1437	ONE Patrick AFB wkg NINE ONE Antigua (USAF)	LS
	LSB	4-6	1729	NINE ONE Antigua wkg SEVEN Grand Turk Is (USAF)	LS
20198	SSB	3-31	2154	NINE ONE Antigua wkg ONE ECHO w/ equip check	LS
20992.5	USB	4-3	0025	ABM4CH Camp Hunphries, S Korea wkg AAR5BL p/p	MC
21754	USB	4-19	0300	ENGLISH ONE wkg PAC COM Ø1, BIKE PEDAL & GN62Ø	BR
25332	USB	4-3	1427	HAWK wkg WHISKEY 28 with traffic	LS

Morse

304	MCW	3-9	1248	"W" beacon: Waukegan, IL	RP
8445a	CW	4-16	0408	TCR (unknown) "CQ CQ CQ DE TCR TCR TCR"	FO
14686	CW	4-18	1800	(no ID) numbers 1-Ø sent approx 20 wpm 28-30 times	BR
15580a	CW	3-16	0440	JZT (unknown) "QRA DE JZT JZT JZT"	FO
17579a	CW	4-6	0058	4XZ Haifa Naval Radio, Israel, V marker & tfc	FO
22242	CW	3-22	0906	"OXAD" unknown station	DB

##

Joseph M. Stabile R.C.M.A. NJ 042 submitts the following process for driving a BEARCAT 220 outofbands. (This should have gone to the technical editor but due to the fact we need to fill the space and have had many letters, the paste up crew placed it here) The method involves faking the processor into forgetting its preprogrammed limits. Neglect all error messages and strange displays.

1. Enter a high bound 50.000 or 136.000 or 174.000 or 512.450
2. Push 'limit hold'
3. Enter a higher value by 1Mhz say 51.000
4. push 'limit hold'
5. push 'manual','limithold', 'search' and it should take off

Joseph reports NY TV Ch 4 at 50.150 and 399.430 Ch 7 at 213.540 and 517.650

VHF Marine

Rod O'Connor, Editor

Send information, articles, frequencies and how they are used, and questions that relate to private, commercial, and Coast Guard VHF maritime and inland waterways radio communications to: Rod O'Connor, USCG Group, 259 High Street, South Portland, Maine 04106.

This month, I have plenty of information to share, and believe it or not, not enough room to share it in!!

If your information is not included this month, chances are it will be in next month's edition. Thank You to all who did share. It seems odd that two months back there was little to be found, now I have almost more than I know what to do with. (Don't let that discourage you though, keep sending the information in, and it will eventually get printed.)

From Tom (WI-006):
Milwaukee area highway bridges use VHF Channels 10, 12, 13, and 16
Water Street Bridge ID is KZN-483.
Milwaukee Harbor Commission uses VHF Channels 10, 12, and 16 with their ID KFT-312.
Harbor Commission Boats "Harbor Seagull" WV-8464, and "Harbor Escort" WV-8468
WV-8468

rom Rob (WO-026):

Milwaukee Fire Department, Fireboat 1 -"Deluge"WD-3708 uses VHF channels 6,9,10,12,14,16,22,68,70.
Fireboat 2 - WZA-3717 (No name given of vessel) Uses same channels as above plus 13, 26 and 28 (In winter FB2 is stored away and radio used in FB 1.
From F.C.C. Report # EFS540-01 Dated 17Nov. 1980: City of Milwaukee Call sign KW-4448 uses 10, 12, 13, and 16 VHF.

From Doug CA SD 31 A few revisions to the Marine Operator info for Southern California, previously published in the DEC 1979 RCMA Bulletin.
Redondo Beach Marine Operator works both Channels 85 and 87
Dana Point Marine Operator works channel 27, while Santa Catalina Marine Operator works on Channel 84.
USCG Notice to Mariners and weather info broadcast from Radio Long

WILLIAM IL-007

THE ARGUS, Rock Island, Ill.,
Friday, January 30, 1981

River tows to get new radio network

By NORMAN BLACK
(Associated Press Writer)

WASHINGTON (AP) — A federal agency has cleared the way for construction of a modern, automated communication system for commercial boats plying the Mississippi River and its major tributaries.

By a unanimous vote, the Federal Communications Commission agreed Thursday to set aside a specific band of radio frequencies for the nation's first Inland Waterways Communication System.

If ultimately constructed and placed in operation, the system would extend from New Orleans northward through much of the country's heartland, following the Mississippi and major tributaries including the Ohio, Illinois, Tennessee, Arkansas, Missouri and other rivers.

THE PROJECT has been discussed and debated for more than 10 years by the tug and barge operators who use the Mississippi. The operators eventually banded together to form Waterway Communications System Inc., which in turn filed a petition with the FCC in 1975.

By agreeing to set aside a specific set of frequencies that will be allocated solely to the new service, (Waterway Communications) and other interested firms are now free to file applications to begin construction.

The system envisioned by the FCC would be comprised of a series of riverside communication stations, all interconnected to allow a company to reach one of its boats no matter where it was on the Mississippi and its tributaries.

UNDER THE CURRENT ship-to-shore radio system, the stations are not interconnected and a shipper can establish a radio link with his boat only if he knows the vessel's general location.

The new system would also be capable of handling data, facsimile and radio teleprinter communication in addition to voice traffic, and would also allow easy connection with the telephone network on land.

Even more significantly, it would be fully automated. That means a vessel would be alerted by a ringing bell or alarm that it was being contacted, instead of having to constantly monitor an open radio frequency waiting for messages.

beach on Channel 22, 157.10 mhz at 1430, 1900, and 2300 G.M.T. daily from May 1st thru Sept.30th. Broadcast made on Sat. and Sun. only, at same times from Oct. 1st thru April 30th.

In future issues of the RCMA Bulletin I would like to list the Coast-Guard Marine Information Broadcast schedules for the U.S.A. in a similar fashion to the way I detailed the U.S. Marine Operators in previous RCMA Bulletins. I would be interested as to how the other members feel about this proposal, and welcome comments.

From Phil (MI-056

VHF Channel 12, 156.60 mhz used along Saint Clair River by Coast Guard Icebreaker MACKINAW with tankers, during ice-breaking operations this past winter. Also used between CG Icebreakers is CG Channel 23.

Other notes on Marine Radio in Detroit area:
Channel 10 (156.50 mhz.)"Port Operations, Detroit Tug Office. Also used by the J.W.Westcott, a U.S. Post Office mail-boat along the river which picks up and delivers mail, supplies, crew changes to the freighters going up and down the Detroit River. Their base is right beside the Ambassador Bridge."...."lots of cross chatter..."

Channel 11 (156.55 mhz.)"Traffic control-Lake St.Clair, St.Calir River with Sanira Coast Guard Radio (Canada) Very heavy traffic, each ship reports in 3 to 4 times to CG Radio from Belle Isle to Port Huron."

Channel 12 (156.60 mhz.)"Traffic Control Detroit River with Belle Isle CG Station (U.S.) not a whole lot of traffic when compared to channel 11."

Channel 81 (157.075 mhz.) USCG Group Detroit, Marine Safety Office. Pollution spills and inspections. also U.S.Army Corps of Engineers.

The Detroit Fire Boat "Randolph" does not pop up very often. It is on the Detroit Fire Dept. frequency most of the time. Dispatcher on 154.31 and boat on 153.45. Also heard on 154.40 talking with an engine company.

Police Boat (Harbormaster section) comes under District 3, 453.30 "Not a whole lot of traffic."

MARINE TELEPHONE Georgia Strait Area, British Columbia, CANADA

Channel	Areas Served	Operator
24	Vancouver	B. C. Telephone Co.
25	Maderra Park	"
26	Vancouver (VAI)	Canadian Government, Ministry of Transport
26	Comox (VAC)	"
27	Campbell River, Nanaimo	B. C. Telephone Co.
28	Bellingham, Wash. USA	Pacific Northwest Bell
86	Vancouver, Victoria	B. C. Telephone Co.
87	Nanaimo	"
88(Proposed)*	Vancouver	B. C. Telephone Co.

Above information furnished by Robert CAN-009
This information was originally scheduled for publication in last month's RCMA , but due to space limitations it is included this month instead.

* I question the use of VHF Channel 88 as a Canadian Marine Operator channel, although here in U.S.A. it is a non-commercial freq., and often used along coast of New England as a fisherman's "Chit-chat" freq. There could be some interference problems along U.S./Canada border regions with this set-up. It might be worth listening in. I would also be interested in any results from other members monitoring Channel 88.

More interesting information:

Below is an update to the Saint Lawrence River Traffic System which I originally published last year. Info submitted by RON, (CANA-067)

The chart designates the VHF Channel which is monitored by the Traffic Control Center. Unfortunately, due to reproduction limitations, it is difficult to include individual boundaries. Instead, I have listed them all individually, as there is some very useful information.

A. Sept Iles to Escoumins - VHF Chan. 14 (156.70 mhz.) Radio Control in Quebec City.

B. Escouming Region & Saguenay River - VHF Chan. 9 (156.45 mhz.) Radio control in Les Ecoumins. River Pilots begin at this point westward.

C. Escoumins to St. Laurent/20 mi E of Quebec City. CHF Chan 12 (156.60) Radio Control Quebec City.

D. St. Laurent to Gromdine (Halfway btwn. Quebec & Trois Rivieres) - VHF Chan 11 (156.55 mhz.) Radio control Quebec City

E. Grondine to Lake St. Pierre - VHF Chan. 13 (156.65 mhz.) Radio control Montreal

F. Lake Saint Pierre to Montreal East Limit - VHF Chan. 9 (156.45) Radio Control Montreal

Les Escoumins
Chicoutimi
Rimouski
Sept-Îles
Baie-Comeau
Port-Cartier
Gaspé
Rouyn-Noranda
Québec
Trois-Rivières
Montréal
Sherbrooke
Hull
Ottawa
Chibougamau
Matane
Ste-Anne-des-Monts
Îles de la Madeleine
Île du Cap Breton
Île du Prince-Édouard
Charlottetown
Moncton
Fredericton
St. John
Bay of Fundy
Nouvelle-Écosse
NOUVEAU-BRUNSWICK
GOLFE DU SAINT-LAURENT
ONTARIO
ÉTATS-UNIS
Lac Témiscamingue
Lac Abitibi
Lac Mistassini
Lac Saint-Jean
Lac Kénogami
Lac Mégantic
Lac Memphrémagog
Lac Timiskaming
Lac Nipissing
Lac Simard
Lac Matagami
Lac Opémisca
Lac Evans
Lac Parent
Lac Pusticamica
Lac Dasserat
Lac Pivert
Lac Wabuk
Lac Fermont
Lac Minaki
Lac Achouanipi
Lac Pivert
Lac Pipmuacan
Lac Manouane
Lac Onatchiway
Lac Péribonka
Lac Ashuapmushuan
Lac Matapédia
Lac Témiscouata
Lac Témiscouata
Lac Nicabau
Lac Matawin
Lac Kempt
Lac Maskinongé
Lac Saint-Pierre
Lac Saint-François
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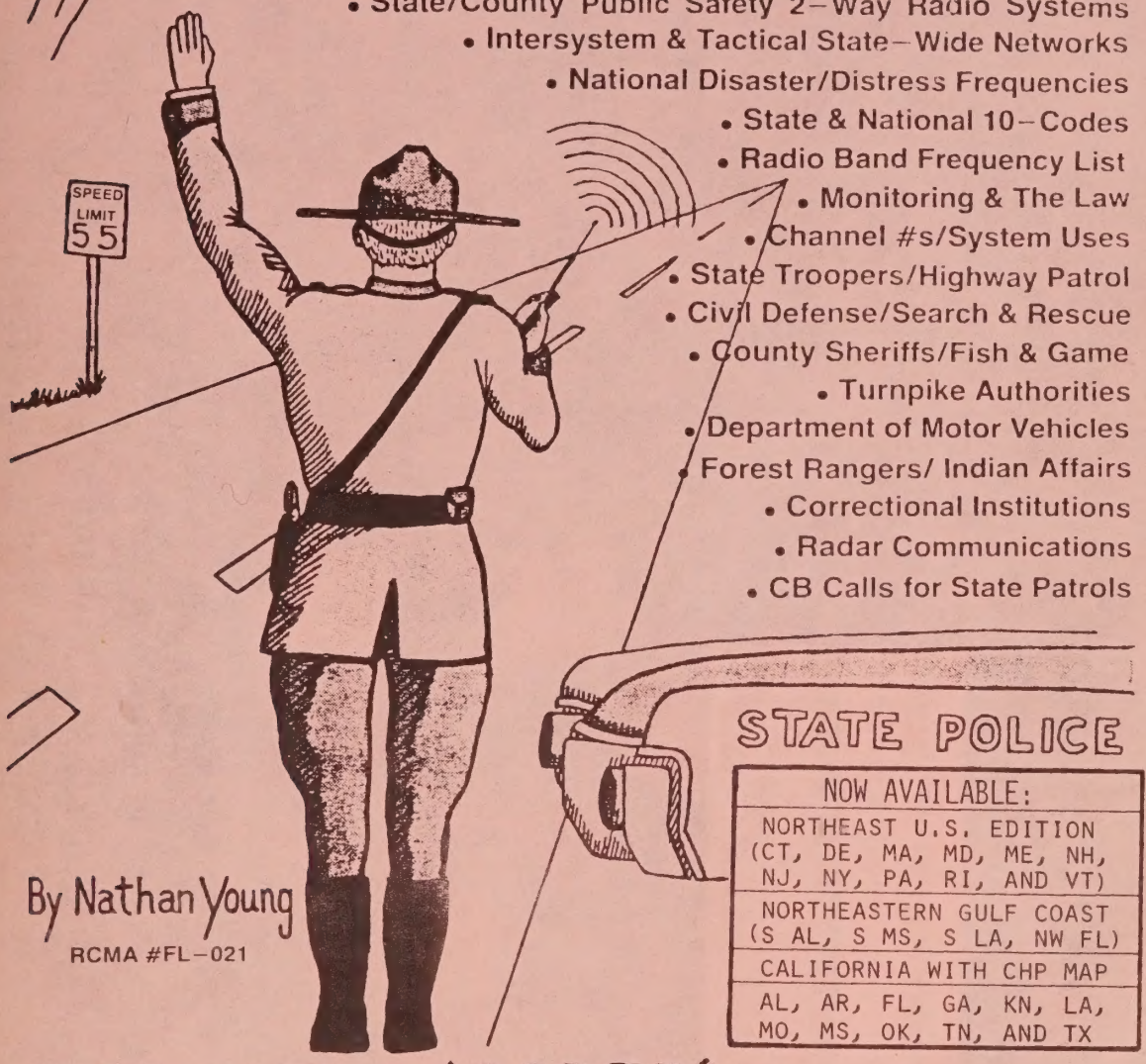
- Correctional Institutions
- Radar Communications
- CB Calls for State Patrols



By Nathan Young
RCMA #FL-021

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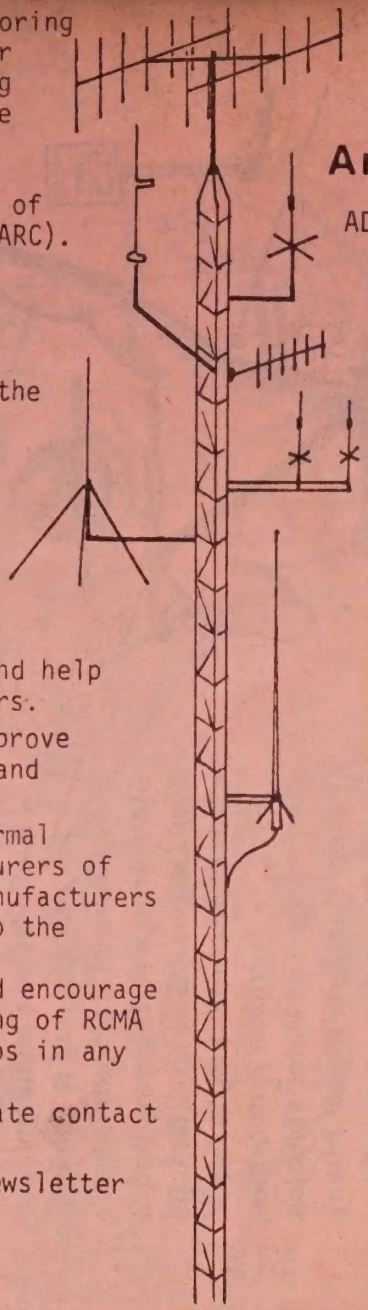
The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



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